

1501 TAAGACCTTTGGGACCTCATGGATTACTTTCCAAATCTGTCCAACTCAATGGTCTAACTC

1561 TAAAGATGGTGGATGATCAAACCTTGCCACCTTTAATGGAAAAACCTCTCCGGCCAGGAA

1621 GTTCACTGGGCTTGCCAGCTTTCTCATATAGTTTTTTTGTGATAAGAAATGCCAAAGTTG

1681 CTGCTTGCATCTGAAAATAAAATATACTAGTCCTGACACTG

A C I

TKYLRLPYPFSNKQVDKYLL

RPLGPHGLLSKSVQLNGLTL

K M V D D Q T L P P L M E K P L R P G S

S L G L P A F S Y S F F V I R N A K V A



Fig. 1

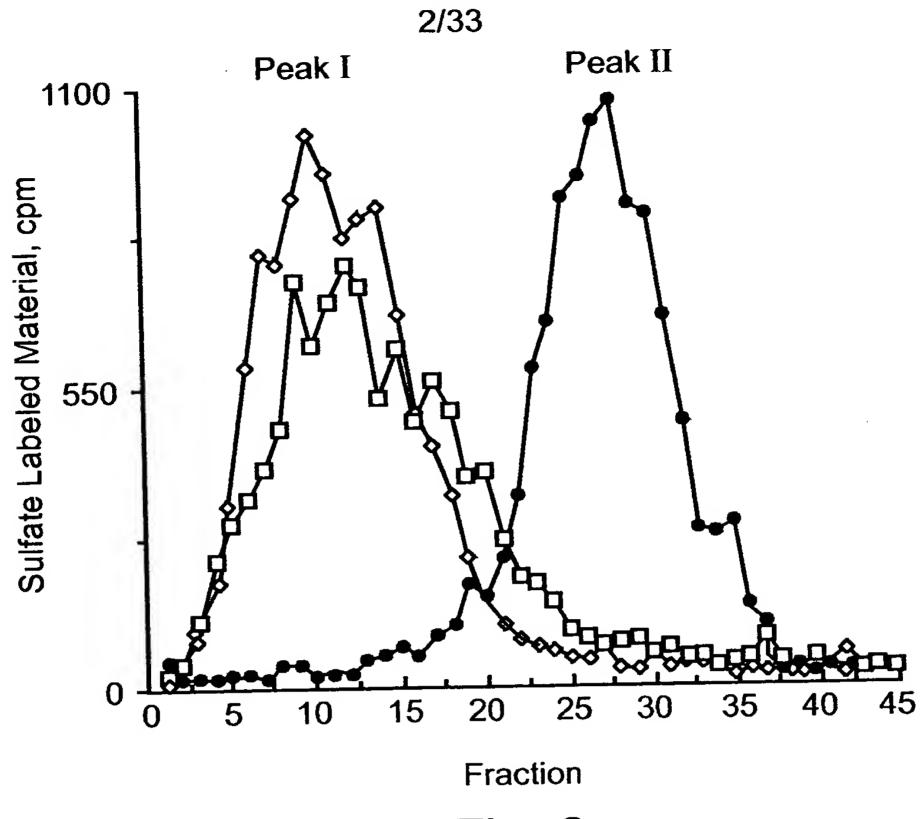
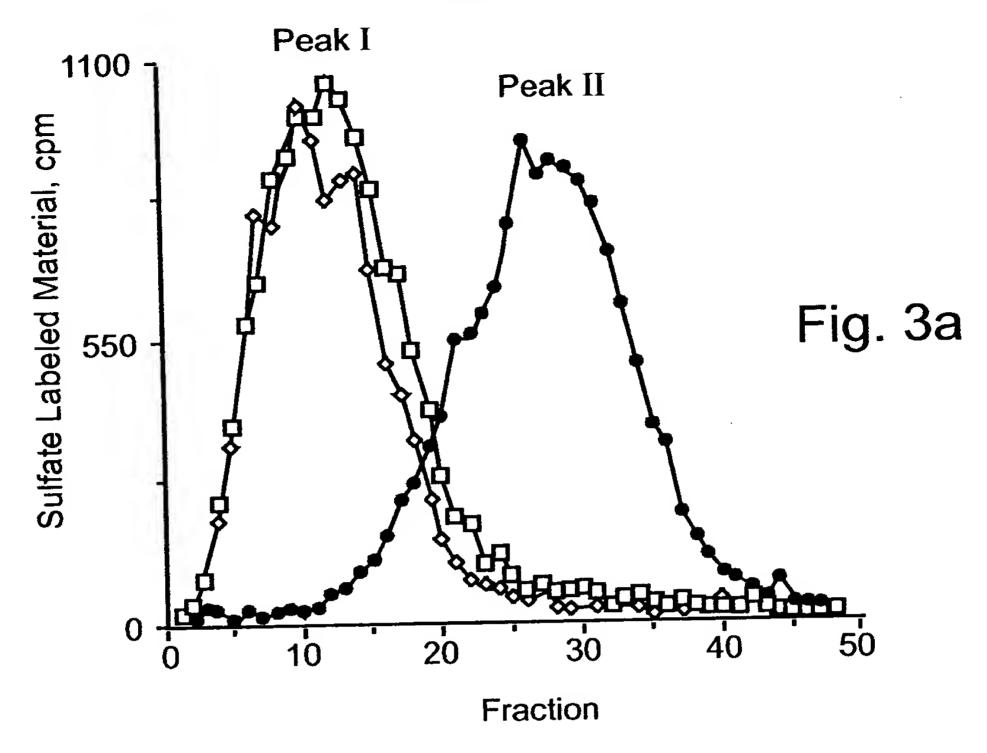
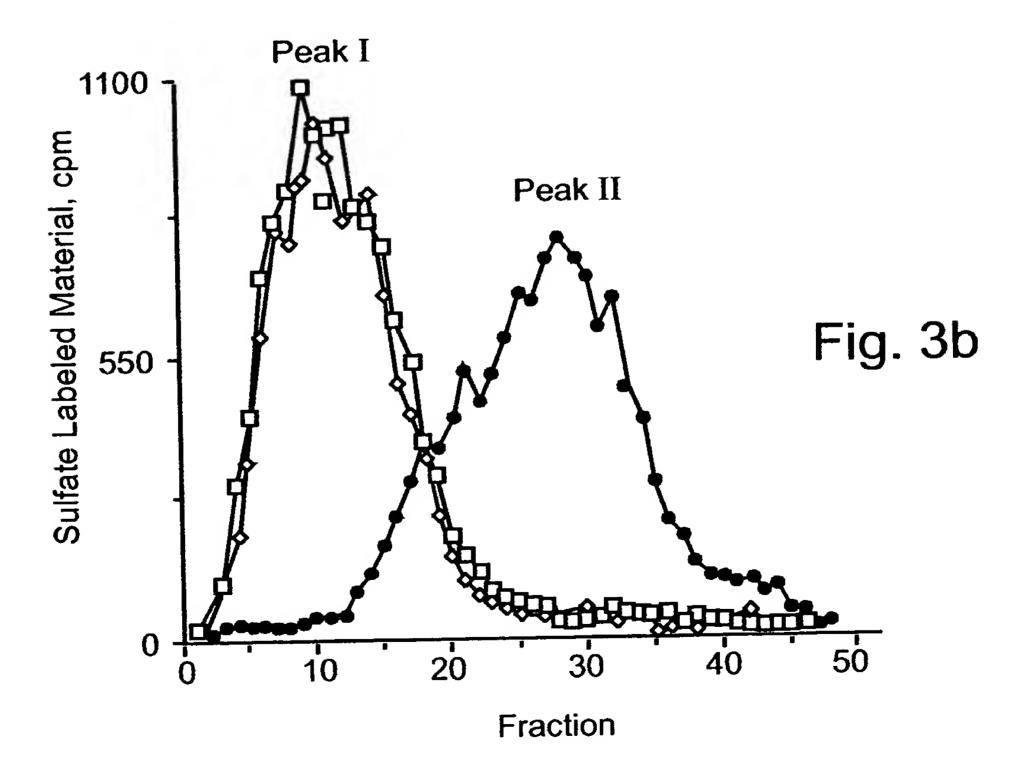
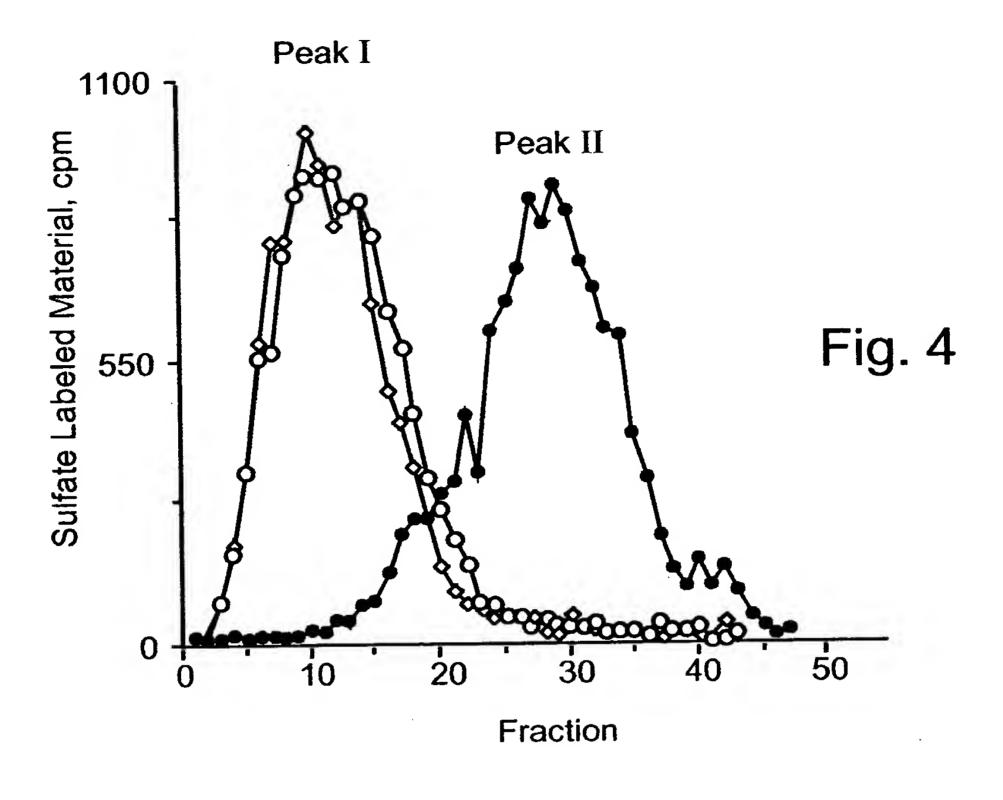
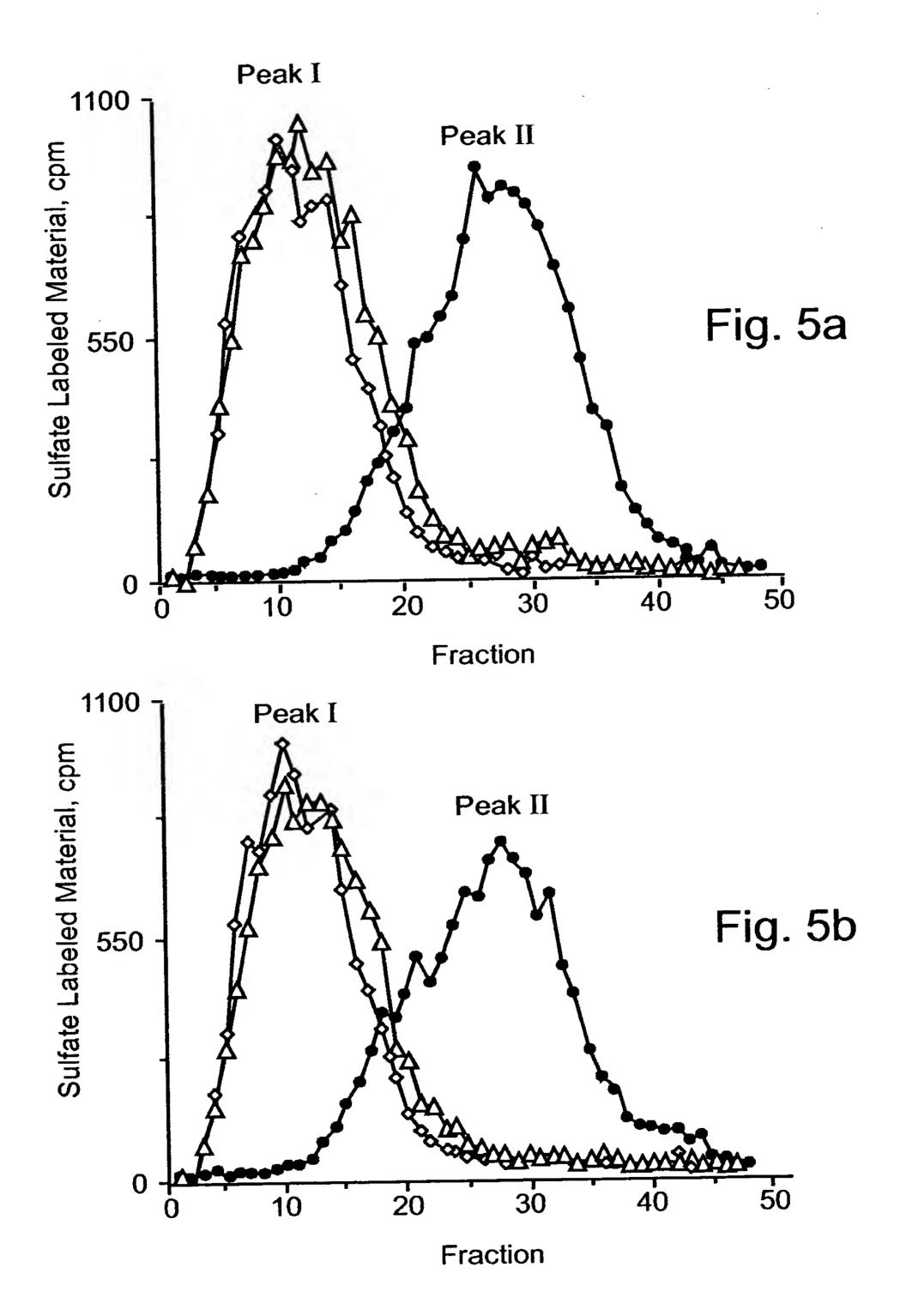


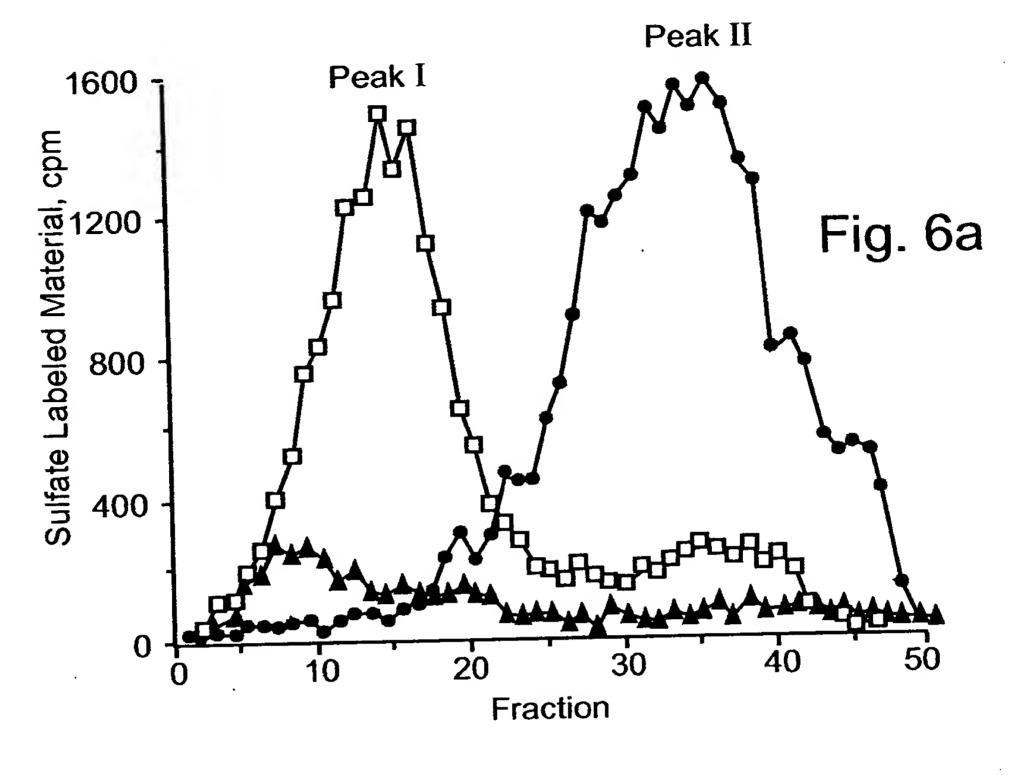
Fig. 2

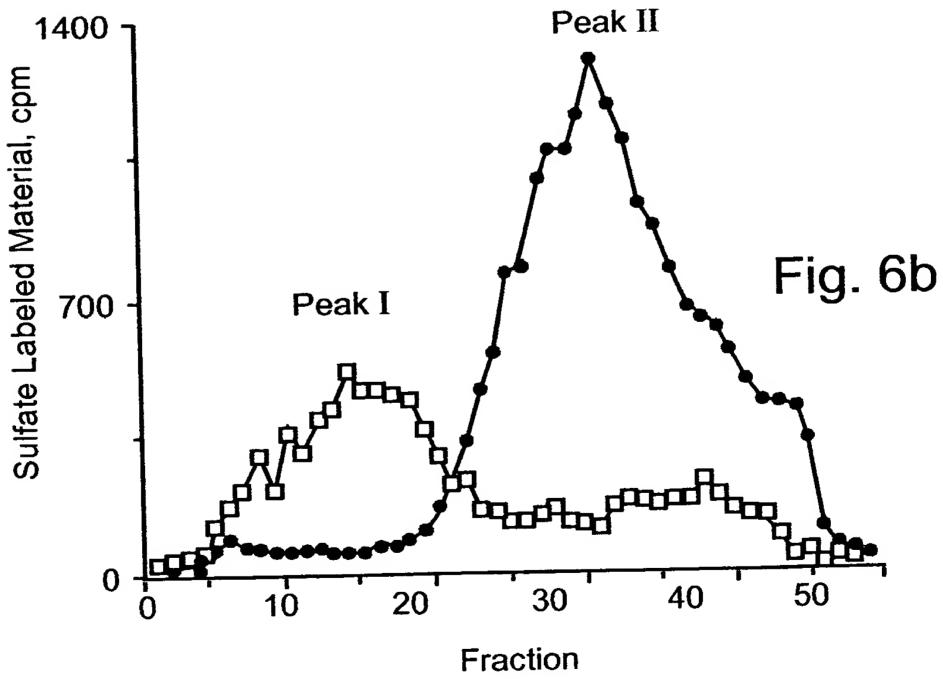


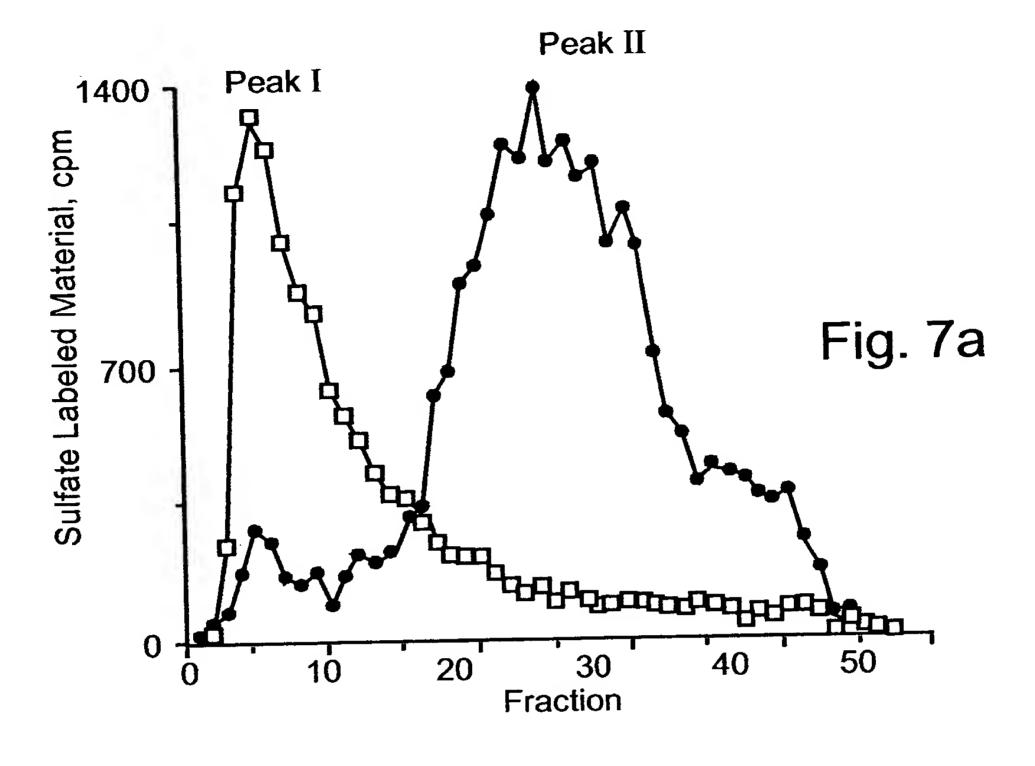


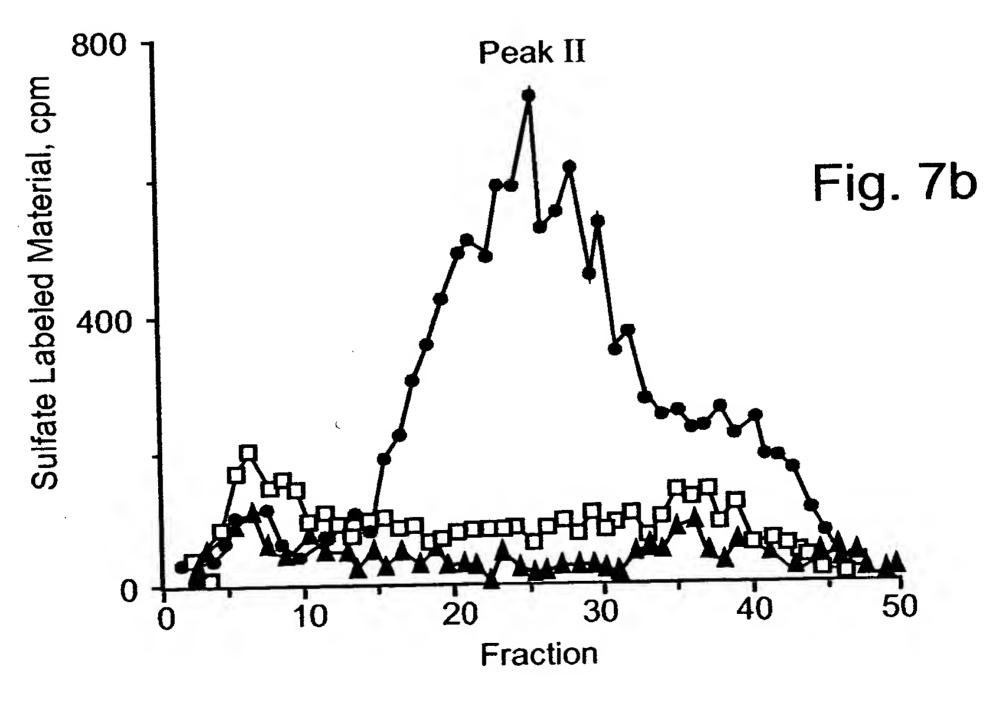


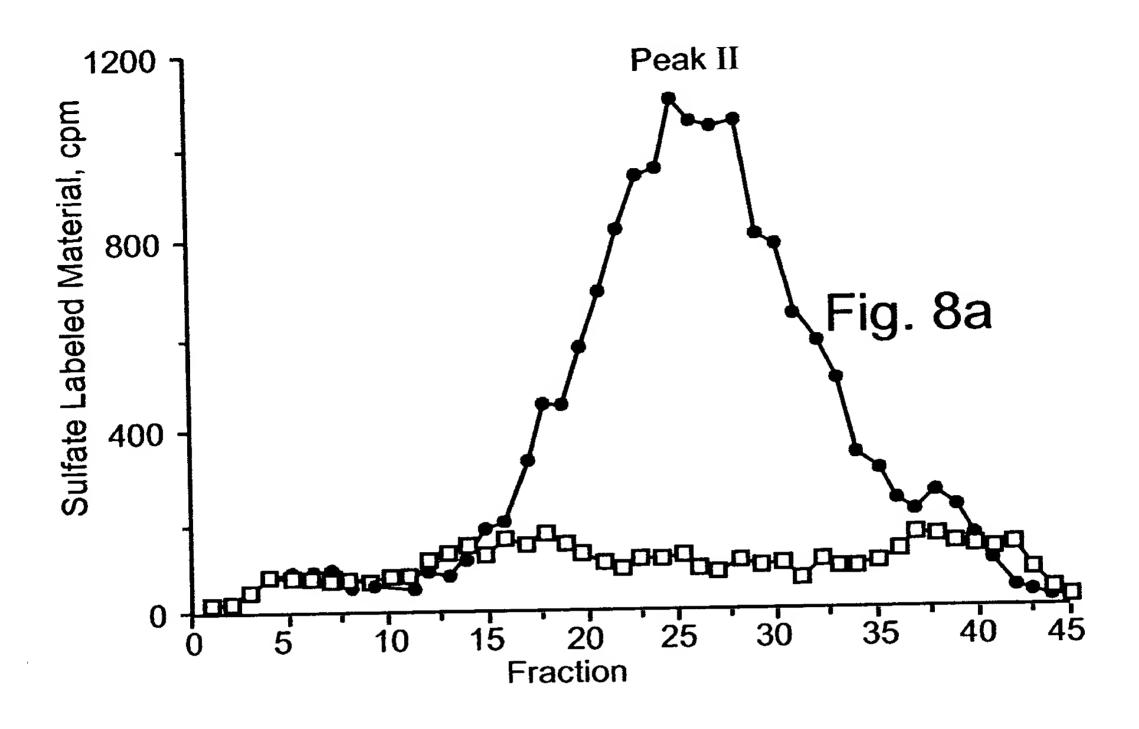


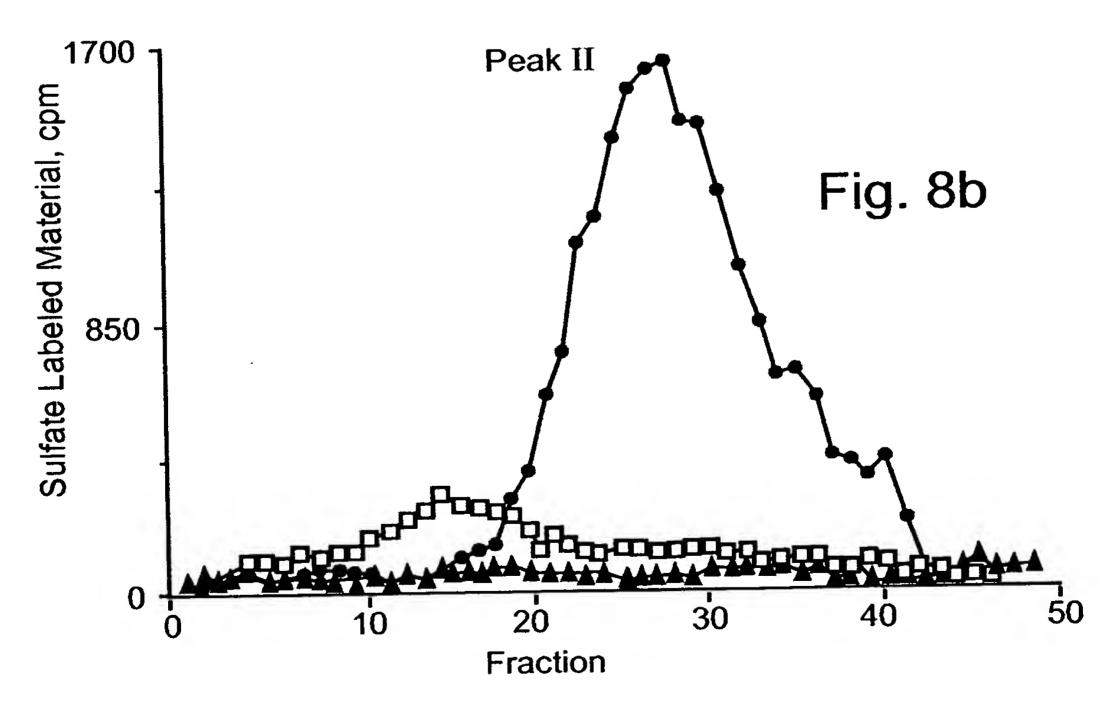


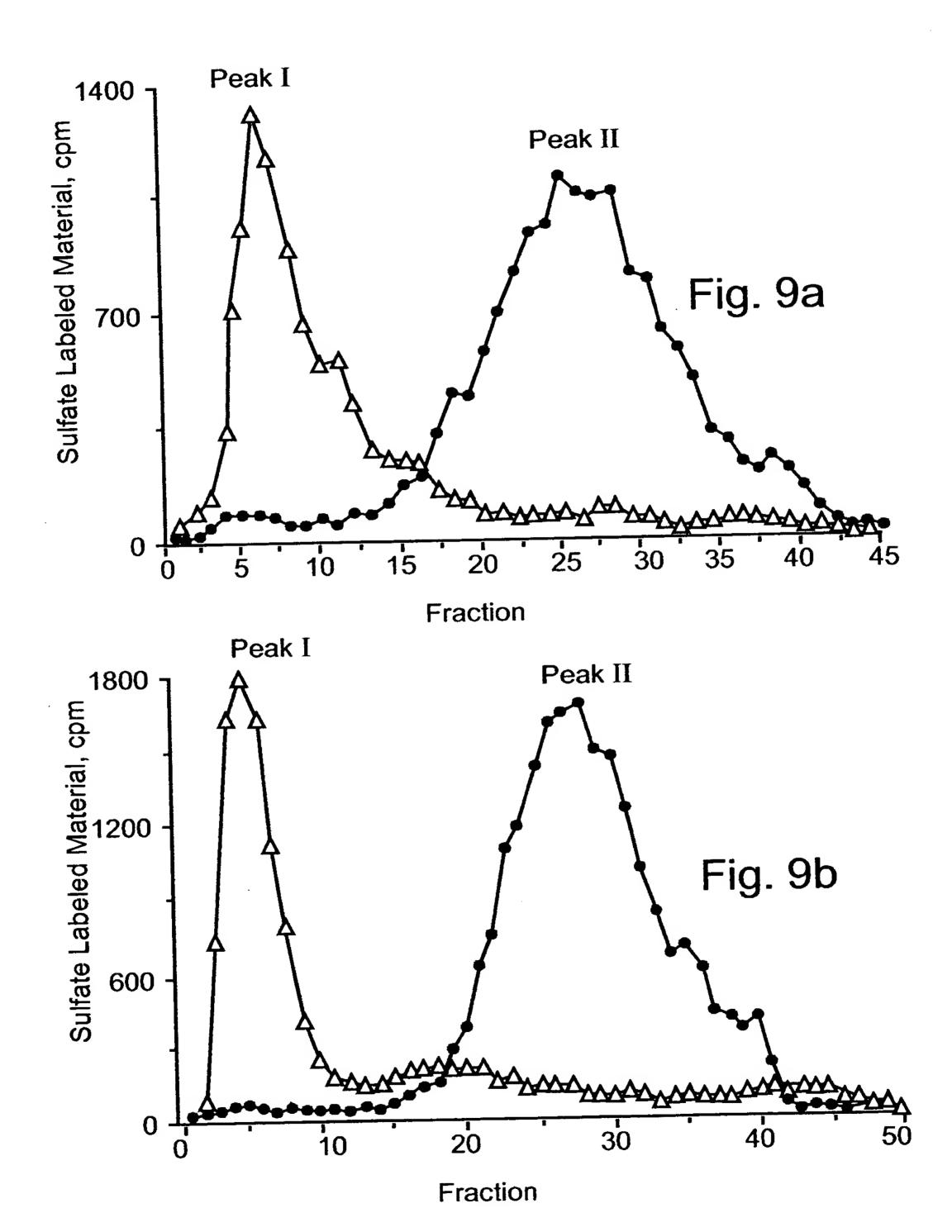


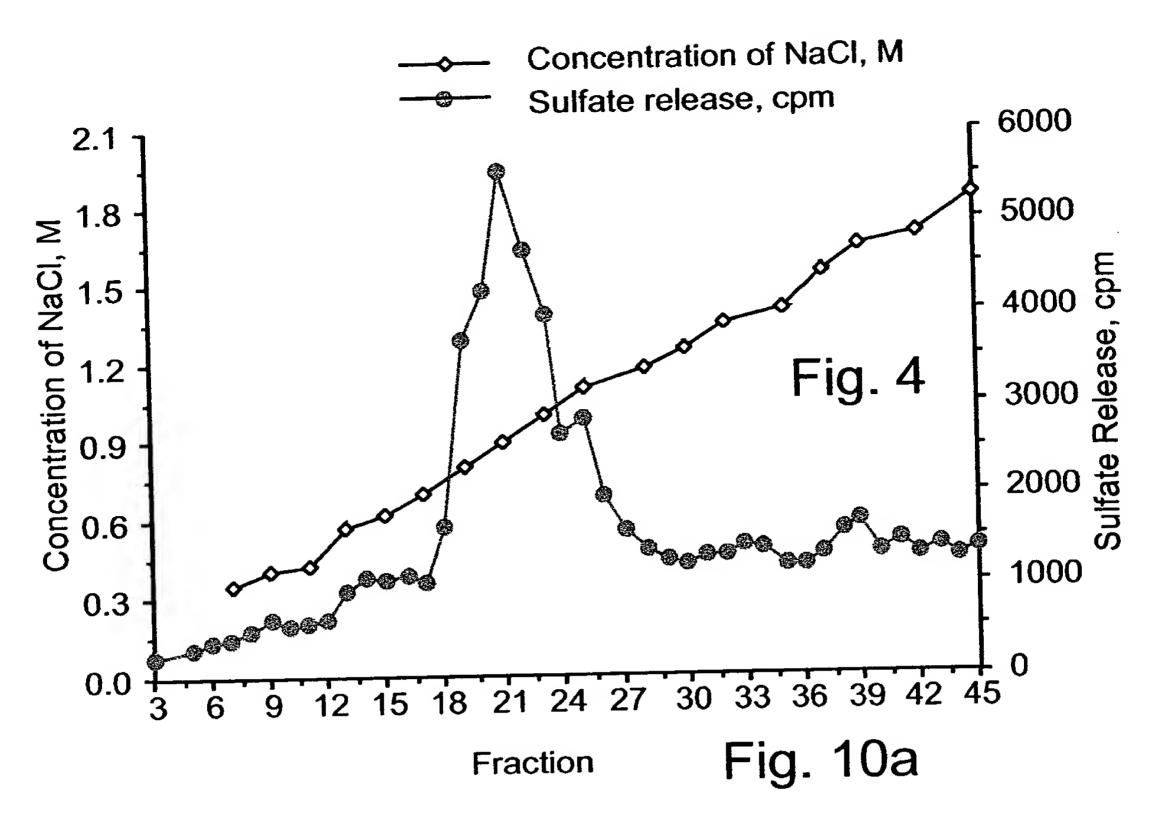












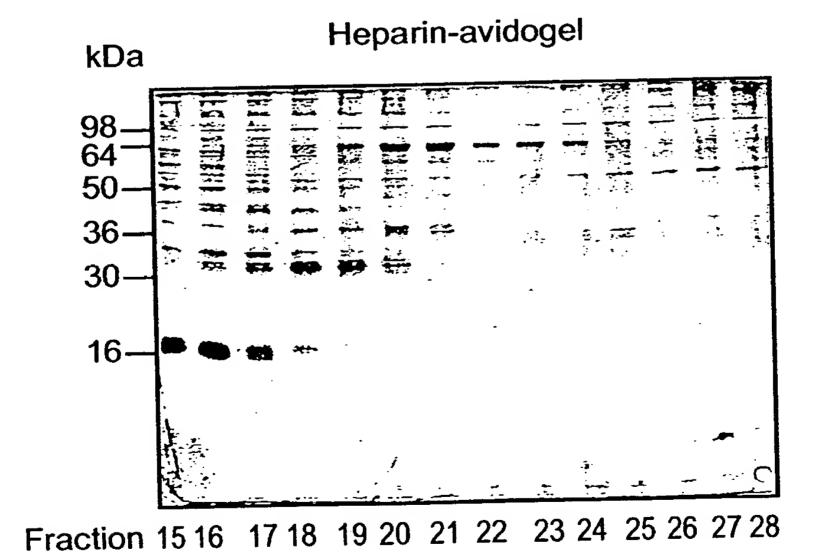
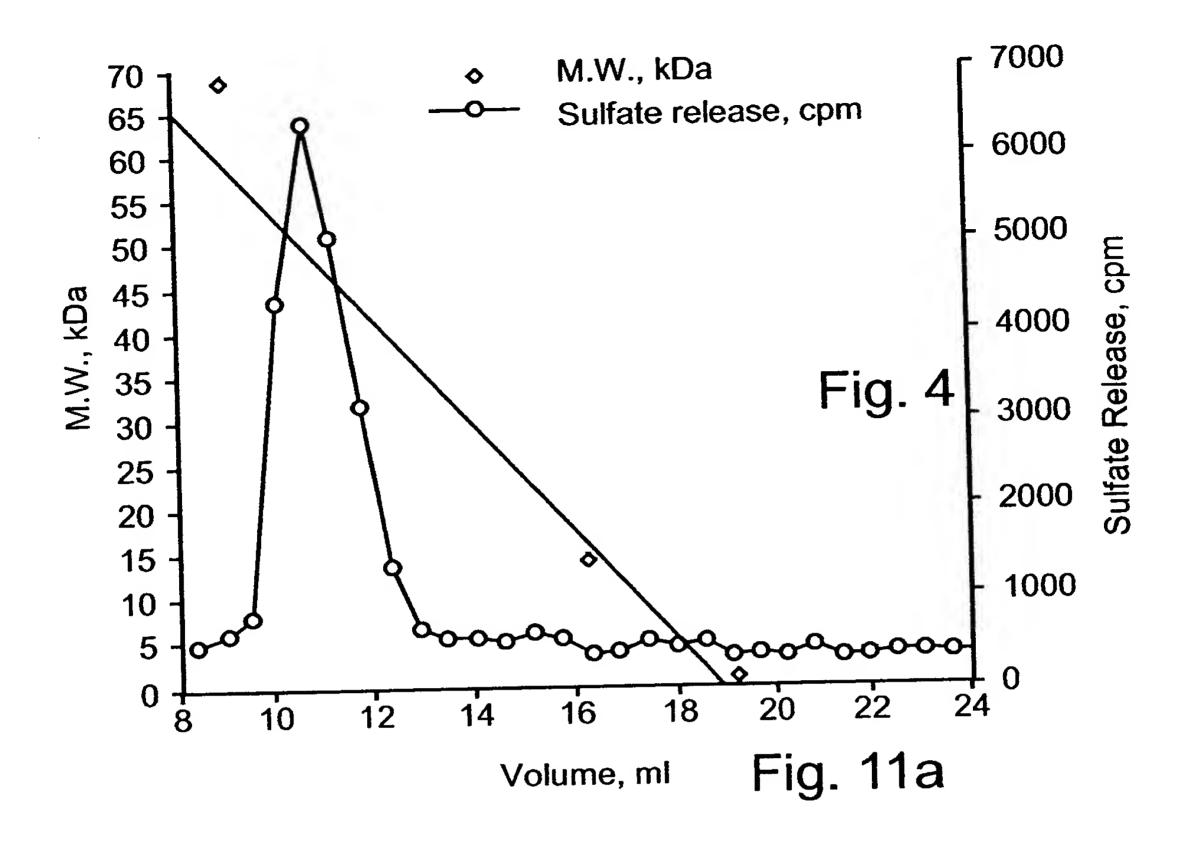


Fig. 10b



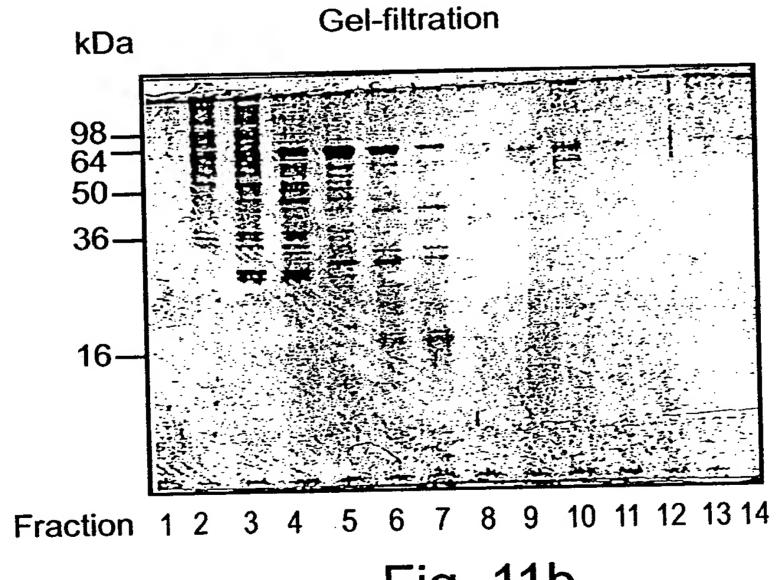
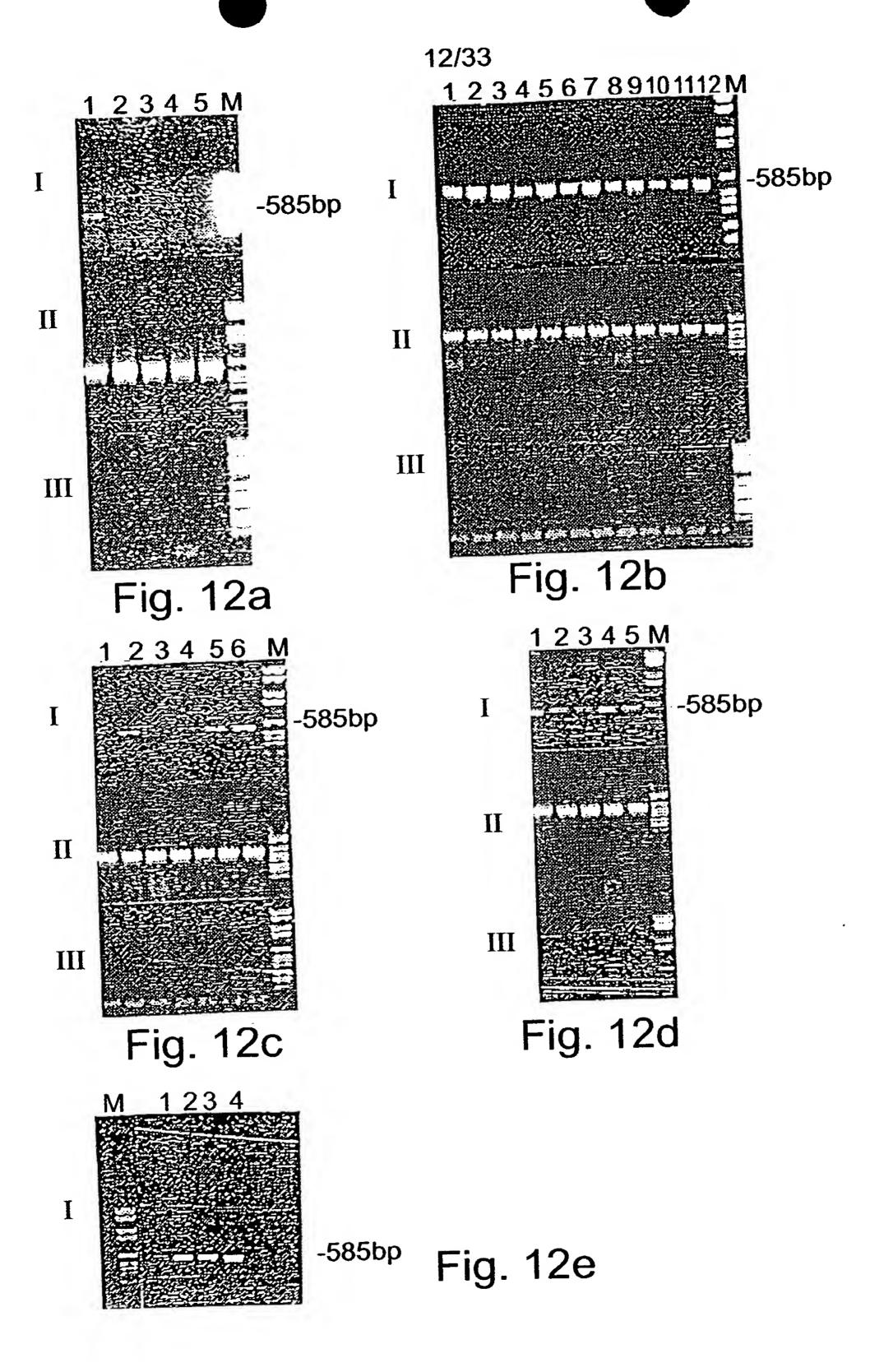
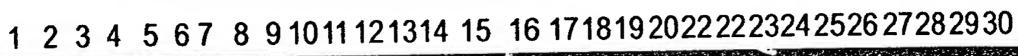


Fig. 11b



	CTGGCAAGAAGGTCTGGTTGGGAGAGACGAGCTCAGCTTACGGTGGCGGT 50
mouse	
human	CTGGCAAGAAGGTCTGGTTAGGAGAAACAAGCTCTGCATATGGAGGCGGA 1115
mouse	GCACCCTTGCTGCCAACACCTTTGCAGCTGGCTTTATGTGGCTGGATAA 100
mous	GCGCCCTTGCTATCCGACACCTTTGCAGCTGGCTTTATGTGGCTGGATAA 1165
human	•
mouse	ATTGGGCCTGTCAGCCCAGATGGGCATAGAAGTCGTGATGAGGCAGGTGT 150
human	ATTGGGCCTGTCAGCCCGAATGGGAATAGAAGTGGTGATGAGGCAAGTAT 1215
	TCTTCGGAGCAGCAACTACCACTTAGTGGATGAAAACTTTGAGCCTTTA 200
mouse	
human	TCTTTGGAGCAGGAAACTACCATTTAGTGGATGAAAACTTCGATCCTTTA 1265
mouse	CCTGATTACTGGCTCTCTCTTCTGTTCAAGAAACTGGTAGGTCCCAGGGT 250
Modse	
human	CCTGATTATTGGCTATCTCTTCTGTTCAAGAAATTGGTGGGCACCTTTGT
mouse	GTTACTGTCAAGAGTGAAAGGCCCAGACAGGAGCAAACTCCGAGTGTATC 300
mouse	
human	GTTAATGGCAAGCGTGCAAGGTTCAAAGAGAAGGAAGCTTCGAGTATACC 1365
mouse	TCCACTGCACTAACGTCTATCACCCACGATATCAGGAAGGA
human	TTCATTGCACAACACTGACAATCCAAGGTATAAAGAAGGAGATTTAACT 1415
	CTGTATGTCCTGAACCTCCATAATGTCACCAAGCACTTGAAGGTACCGCC 400
mouse	
human	CTGTATGCCATAAACCTCCATAACGTCACCAAGTACTTGCGGTTACCCTA 1465
mouse	TCCGTTGTTCAGGAAACCAGTGGATACGTACCTTCTGAAGCCTTCGGGGC 450
,,,,,	TCCTTTTTCTAACAAGCAAGTGGATAAATACCTTCTAAGACCTTTGGGAC 1515
human	
mouse	CGGATGGATTACTTTCCAAATCTGTCCAACTGAACGGTCAAATTCTGAAG 500
	CTCATGGATTACTTTCCAAATCTGTCCAACTCAATGGTCTAACTCTAAAG 1565
human	
mouse	ATGGTGGATGAGCAGACCCTGCCAGCTTTGACAGAAAAACCTCTCCCCGC 550
human	ATGGTGGATGATCAAACCTTGCCACCTTTAATGGAAAAACCTCTCCGGCC 1615
Littitati	
mouse	AGGAAGTGCACTAAGCCTGCCTGCCTTTTCCTATGGTTTTTTTT
humar	
mouse	GAAATGCCAAAATCGCTGCTTGTATATGAAAATAAAA 637
<b>9</b>	GAAATGCCAAAGTTGCTGCTTGCATCTGAAAATAAAA 1702
humar	I OMMI OCCUPATION OF THE PROPERTY OF THE PROPE

Fig. 13



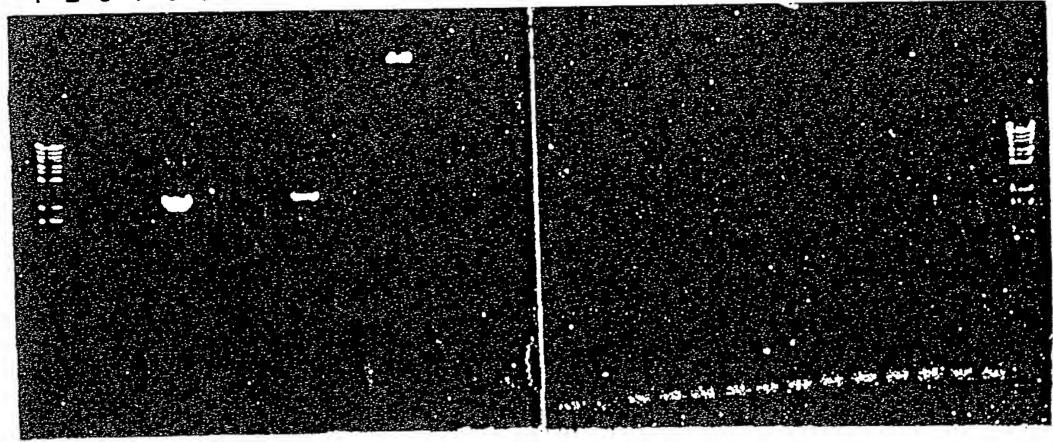
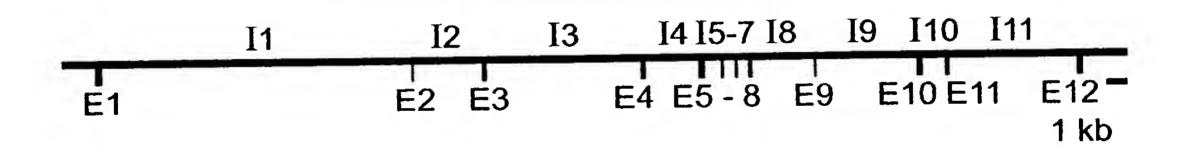


Fig. 14



Lambda 8

Lambda 6

Plasmid —

Fig. 15

ggatcttggctcactgcaatctctgcctcccatgcaattcttatgcatca 50 100 gcctcctgagtagcttggattataggtctgcgccaccactcctggctaca 150 ccatgttgcccaggctggtcttgaactcttgggctctagtgatccacccg 200 ccttggcctcccaaagtgctgggattacaggtgtgagccatcacacccgg 250 cccccgtttccatattagtaactcacatgtagaccacaaggatgcacta 300 tttagaaaacttgcaatggtccacttttcaaatcacccaaacatgttaaa 350 gaaattggtatgactgggcatggcacagtggctcatgcctgcaatcctag 400 cattttgtgaggctgagacgggcagatcacgaggtcaggagattgagacc 450 atcctgacagacatggtgaaatcccatctctactaaaaaatacaaaacaat 500 tagccgggggtgatggcaggcccctgtagtcccagctactcgggaggctg 550 aggcaggagaatggcgtgaatccaggaggcagagcttgcagtgagccgag 600 atggtgccactgcactccagcctgggcgacagagcgagactccgtctcaa 650 aaaaaaaaaaaaagaaagaaattggtatgactgttgactcacaacaggag 700 tcaggggcatggggtgggagattaatgtcatgacaaatgtggaaa 750 agaaacttctgtttttccaactccacgtctgctaccatattattacactc 800 ttctggtagtgtgtttatgtgtgaatttttttcatatgtatacagt 850 aattgtaggatatgaacctgattctagttgcaaaactcactatgagctta 900 gcttttaagttgcttaagaataggtagatctatgcaaataatgataatta 950 ttattattatttaagagaggtctcactttgtcacccaggctggagtgc 1000 agtggtgtgattaagggtcactgcaacctccacctcccaggctcaaataa 1050 acctcccacctcagcctccccagtagctggaaccacaggcacgggccacc 1100 acgcctggctaatttttgtatttttgtagagatggggtttcatcatgt 1150 tgcccaggctgttcttgaattcctcggctcaagcaatcctcccaccttgg 1200 cctcccaaaatgctggcatcacaggcatgatggcatcactggcatcacat 1250 accatgcctggcctgatttatgcaaattagatatgcatttcaaaataatc 1300 tatttttatttgttgccttattggtggtacaatctcaagtggaaaaatct 1350 1400 ctaagcaccaacatgatcacatgcctgagctatggctagcatagcgtgtg agacaaacttaatctctgttttggtggagcatataatctagtagatgaag 1450 1500 ccaatgttgagcaacatcacaatactaacaaattgaggatgctacgagag 1550 tgtctaacaaattgaggatgctacgagagtgtctaacaaattgaggatgc 1600 tatgagagtgtgtcatggagagctgcctggagattgagagaaagcttcct 1650 tgagggaagttacatttcagctgaaacacactgccatctgctcgaggttt 1700 tgtaactgcattcacatcccgattctgacacttcacatcccgattctgac 1750 acttcacccagttactgtctcagagcttgggtccgcatgtgtaaaacaag 1800 gacagtatgcacttggcagggttgtgagaaggggaagagaacacaagtaaa 1850 1900 attatacatcagtgtaagcatcaaggaaaagctgaagaaaagtctgacca 1950 acagcgaaagataaatgcgcagaggagaaatttggcaaaggctccaaatt 2000 caggggcagtccgtactctacactttgtatgggggcttcaggtcctgagt 2050 tccagacattggagcaactaaccctttaagattgctaaatattgtcttaa tgagaagttgataaagaattttgggtggttgatctctttccagctgcagt 2100 2150 ttagcgtatgctgaggccagattttttcaagcaaaagtaaaatacctgag 2200 aaactgcctggccagaggacaatcagattttggctggctcaagtgacaag 2250 caagtgtttataagctagatgggagggaagggatgaatactccattgga 2300 ggttttactcgagggtcagagggatacccggcgccatcagaatgggatct 2350 gggagtcggaaacgctgggttcccacgagagcgcgcagaacacgtgcgtc 2400 aggaagcctggtccgggatgcccagcgctgctccccgggcgctcctcccc 2450 gggcgctcctcccaggcctcccgggcgcttggatcccggccatctccgc 2500  ${\tt accettcaagtgggtgtggtgatttcgtaagtgaacgtgaccgccaccg}$ 2550 aggggaaagcgagcaaggaagtaggagagagccgggcaggcgggggg 2600 gggcgcagtgggagggtgaggaggcgtaacggggGCGGAGGAAAGGAGAA 2650 2700 AAGGCCCTGGGGCCGCGGAGGAAGTGCTAGAGCTCTCGACTCTCCG CTGCGCGGCAGCTGGCGGGGGGGGCCAGCCAGGTGAGCCCAAGATGCTGCT 2750 M L L 2800

GCGCTCGAAGCCTGCCGCCGCCGCCGCTGATGCTGCTGCTCCTGGGGC R S K P A L P P P L M L L L G CGCTGGGTCCCCTCTCCCCTGGCGCCCCTGCCCCGACCTGCGCAAGCACAG

2850

G P L S P G A L P R P A Q A Q GACGTCGTGGACCTGGACTTCTTCACCCAGGAGCCGCTGCACCTGGTGAG 2900 D V V D L D F F T Q E P L H L V S CCCCTCGTTCCTGTCCGTCACCATTGACGCCAACCTGGCCACGGACCCGC 2950 PSFLSVTIDANLATDP GGTTCCTCATCCTCCTGGGgtaagcgccagcctcctggtcctgtcccctt 3000 R F L I L L G tcctgtcctcctgacacctatgtctgccccgccagcggctctcctttt 3050 tgcgcggaaacaacttcacaccggaacctccccgcctgtctctccccacc 3100 ccacttcccgcctctcattctccctctcccttactctcagacccca 3150 3200 aaccgctttttggggggtatcatttaaaaaatagatttaggggttacaag tgcagttctgttccatgggtatattgcattgtggtggcatctgggctctt 3250 agtgtaactgtcacccgaatgttgtacattgtatctaataggtaatttct 3300 cateceteateceteceaceteceacettttggagtetecagtgtet 3350 actattccactaagtccatgtgtacacattgtttagcgcccactctaaat 3400 gagcctttttgtttcattcattctgtaagtgttgaataggcaccacctaa 3450 3500 ggtcaggtataagtggaaatttgaaaaagaaactgcccacttgccccagt 3550 acttccctagccaagaggagggaaaccaggcaggtgcacctgaaggcctg tgagtgcttgatttgctgtgcagtgtaggacaagtaagattgtgcatagc 3600 3650 3700 ttttcttttttttttttttttttaggcagatgaaaagggcgtca cagaacaggaataaaatctaaatattcaataaatgagacctaggagact 3750 actgcagtgacttacaaagtcctaataaaaagatgtctctccaaaatggg 3800 gctgcaaaatgtggtgctgccttatcagctctaagttttttccttacctg 3850 agaaagaaggaacctgatgcaggttcagggctcctgccccatgaatgcag 3900 gctgactccaagatggggagctacagggacaatcccaggtcttctaggcc 3950 tcttatttaggccctgggagcctccagagatggccacatcttgaccagcc 4000 cagatagagggaaagatcaccattatctcacctctgtgtcaaatacctag 4050 atgctgtcctccctgagcccacactatagttgccagcgctaatttaatgg 4100 gtagtgtactggttaagagatggacagaccatcctggcttgactctcagc 4150 tctggcaaagatgagtgacttggtttttccatatctcttggccacaccaa 4200 ccttgatttcttcagctgtagaatggaatttctcaagcttgcctcaagga 4250 ttattgcccgaggatttgatgatatggtaagagcttctcagtgtttgacc 4300 4350 tgagcatttggtagccattcaccggttttctgtttctttggatcatagtt 4400 a a c c t c t t t t c c t t t t g g c a c t a c a a t t t t c t g g t g g g a a g a a t c c4450 4500 ttactttctgcccttccccttaaggataggaagctgatactaggcagcaa 4550 ctagttgggggataggaagattgttccagagaaatgctgaaccatagggc tccagatcacaggaccccagtcttagcttgctggggtgtggggggg 4600 gggcggttactgaacatgggtatgaagtagatgtccatttactgaaatgt 4650 gaggacctgaggcctcttctattgctgtagccagcatattccccaacctc 4700 4750 tccccaagaaaggacagatgggggttcccccctggagtaacaggtccaaa agaaaaaacatacagtgggacttccaggatctgggcctgatcacccagca 4800 gtcaagctccccgcaattgactaacacccccctaacacgtagaaattcca 4850 4900 atctgcaatttagtgaggatgatacctttattcttcttaaatacatctct tcatttcccagagcacccttttttcccctcctctgcacctttttgttaaa 4950 gactggagtataatgaaataccaagagagcataacatgtgatacataaaa 5000  $\verb"cttttttctggtttacaaaacagttcattcttgtccatacgtgcttctc"$ 5050 tccaaggctggctgtctgttccagcccgcttcgcttggagaggccat 5100 ctgccatacctgctccccagacgcatcgacaagcacacccagagtgttat 5150 ctgctaagacctaaaagagggaggaaccccctctcctcatctaagaccta 5200 gcttctaaattagagtgtgagggtccatctccccaggaggggcacagggc 5250 5300 ccaaacagcccagccatctcagaagacaacactaagctttgtaggggtcc a cagtagagagagataagacgcctgttgtttaatttattacagttcctca5350 aaagtgaagatgtgtgggcgggatggcaagagctgagcagacgaaagctg5400 5450 aaggaataaggaaggaggacacaaacagctgacacttcctcagtt 5500 cttgtcatttgcctggccctgttctaagcaccttctaggtattaatccat 5550 ttagtcttggctacaacactgtgagtaactagttttgtcacccccatttt aaaaatgaagaaagtgaggctcagggaggttaagtaacttggccacagtt 5600 tgaaactagactctgatcacatgagataatagtgcccataaaaagggaaa 5650 gcagattatatttttaaaggaaagagagtaggatatggtagaaaaagat 5700

5750 gagagtaacagtatcagggcccaaaccttcatctaaggtacttcaaagag 5800 gcctaagcaaacttagtcactggcgtggttctagtctccatgatggcaaa 5850 tacattgtgtacagcccaactccacacaaaacttaaataccaatgataga 5900 gcaatctaaaatttgaaagaaaaaatctttcaatttgtcgtcttcccaga 5950 gggacttaatcaagaaaccaatcaaaatacttcctaagcctaactgtgtg 6000 6050 cagaactccaaagagagcccagccctaaatcaacactgtccaatggaaat ataatataatgtgggcctcatatgcaaggtcatatgtaattttaaatttt 6100 6150 6200 taattttatttagttcaatagatccaaaatgttttctcagcatgtaatca atataaaaatattaatgaggtatttattattccttttctcaaaccaagtc 6250 tattctataatctggcgtgtattatttacagcacttctcagactatattt6300 ctttctttttttttccgagacaattttgctcttgtcacccaagct 6350 agagtacaatggcgttacctcggctcactgcaacctccggcttcccgggtt 6400 6450 caagttattctcctgcctcagtctcccaagtagctgggactagaggcatg  ${\tt caccaccacgcctggctaattgtgtattttagtagagacagggtttcac}$ 6500 catgttggccaggctaatctcaaactcctgagctcaggtgatatgcccac 6550 ctcggcctcccaaagtgttgggattacaggcgtgagccactgcacccggc 6600 ctcagattaactatatttcaagcgttcagtagccacatgtagctagtgct 6650 atggtagtggacagtacagatctgcatttcaattaagacacgtatacaag 6700  ${\tt catagttcactaatgcacggtaaaaaaaaagtatagtgctgagtcggtggt}$ 6750 agaaatcctaaatactgcagagcaaaagtggtacgaacagcaatctcagt 6800 gataatgcaaccatgcttgcttttcattgcaatttgcttattttccttca 6850 gcaaagttcatccatttttgccaattcaataaatatttactgataaaaac 6900 tttcaatattagattcttgcatcttcatagacagagttgcttttcacatt 6950 tagaaaattacttatcaatgttaaacacacgttttgataaccagtgttgg 7000 aaagaggtgcagactccccatgtgcctattgatggcagaaatattcacag 7050 ccaaagggaaacaaagggctggggacaatcacacacctcatgtctcctaa 7100  $\verb"ctcctgggaagtgctgtccctctgattgagctcttattattgccttcccc"$ 7150 actaaccctgtccactgtgccctggagccctttgcagggttacctgctct 7200 gtcctcctcacagaatatctcctctacctccttgtccaagctacaacttg 7250 gctattctctgatgacactgtcttccctgtagcccttttgagtaatggct 7300 gcatattctcccatagtccagttcttttcctgttctccagtctggcttct 7350 ggatgacagcccactagtttgaactccatactgctatagttcaagtccct 7400 tttgacttgttaccttgggcaaattacctccttttgttcaggttccttgt 7450 ttgtaaaatgacgataataatgccatttgcttcagtgggttattttgaaa 7500 ttgagtgaaagaaggcgggtagcttccctacacgctcagtgtagactagc 7550  $\verb"ctgatgtgcattacgggtgatgccatgactcagtgtgttttcctcatctc"$ 7600 7650 cacatctggctctcatccagtgctcctgcttacggcactctgtccccctc ttacttactccccttattaactgaagactggcactgatctcacagtttc 7700 7750 ctctccacttcctagtctcaccatcatcctagatgacttcaagtcaccta 7800 gataaactgtctcagtttcttcactcacatttttttataacagataatgt tacactcaagttgtaacagaaccagcttatccagctcatgaaatgtatgc 7850 atttcatctcaactctgtattcagtgacatcctgtgggtatctggaaatc 7900 agccatggtgagaatatttaccatggaaattggcaaatactaaaaagcag 7950 agcaccttttttctgagagccagaccatagctcttctactccatagcac 8000 ccatcataacaatttttaaatacctccactgaacagcttcttcctctc 8050 tacttcttccatatctgatttgagcttcttaatttatcatgtgaaccact 8100 cttgtaataataaccccaaatccctgttccattgttcttcctgctaaaat 8150 actaaacctggtttagtccaaccatattttctctcttttggaatctacagg 8200 8250 gtggcccaaaacctggaaatggaaaaatattacttattaatttaatgt atattaataagccattttaatgcttcatttccagtctcagtggccaccct 8300 gtatagctgggctattgagctcttgcgggaggagggagtggacagtctcc 8350 cagccacacagactgatgttgcaccaaacattttttagcttccagacttc 8400 cctggcccttagtgttacccttaactctccatttctctgcctttcacatt 8450 ctctactttttaaaaatctctgactccaccttcaccttatcattcttagc 8500 acatgaccatacttctgcttcccaaagaaaatgagcaattacttcctttt 8550 ccttttcctcctgtcatcaaatctgcagacatgtcatgcctaagtccagc 8600 tttcctcctttctctgatctcagtctgcttcttccatttctgccctgaat 8650 cccgtcccctccccaacccccaaggacttcgctctatcagtcacctcttc 8700 cctctcctgtatcttcaactcctcccattttactggcttcttcctcaagc 3750

Fig. 16 (continued)

The at the total and the time to the

ij H

8800

ctttccccaagcctttcccatctcaattacctcctcgcacatgcctctgc 8850 agaaaccaccccgtttcttccctcccctcggcagcctgttcttcctgttc 8900 8950 atcatcaatggccttcctttgttgggaaacctaataaacactttatctta 9000 tttggtctttgttatgggttgaatgaggttaccccgaaatccatattaga agtcctaacccccagtacctcagaatgtgactttatttgggaatagggtc 9050 9100 attgcagacgttattagttaggatgaggtcatactggaatgtgatgggct gcttatctaatatgactgatgtccttataacaaggagaaatttggagaca 9150 gacacgcacatagggagaataccatgtgatgacaggagttatggagttgg 9200 agtcaaaaagctatgggaacttaggagaaagacctggaacaaatcctttc 9250 9300 ctgcgcctagagaggagtatggccctgccactaccttgaattcaacgtt 9350 tcggcttttcaaaactgtaagacaatacatttctgttgttcaaaccaatt agtttgcagtactctgcgactgcagccctaacaaactaatacagtctctt 9400 9450 ggaggcatttggcaaggttgacaatggaagcactttcttacccctttagg 9500 tctgtcgcctttcttgttggggggtgttttctaacaattcctctccatct 9550 ctctctctagtttgtcttaaacattggtgttcttcagacttctgacct 9600 aggccttcttttcacttcacatattcccctgggtggtctcacccacttcc agaaattacttaaattactgctcatgcagtactgtgctggaaactgttta 9650 9700 acaactggctctctgggaagaggggagactggttgatggtttttgctgat 9750 ttctgtggtgtaaatactccctccatggccaattccaaactgccaacagt 9800 ttaacaactggctcacaaattttctccaaatttaacatttggctttcaca 9850 ggccaacaacgtggtacagccaactccagcacacctctgcttttgtgtca 9900 gagagaagtaacttatttttgtacaaaaggtaaaataaaaacacctgcag gcccctttttttccttaacaaactgctctagaaatagaatagctgaagc 9950 ttcttttatgcattcatctgttatttccatgtcactgtggtggtgggatt 10000 10050 atttttccttattttcttgtatatggttgaaatactgtacctttgatc agttttagttttatggcatgttttgcacccatattaaatctagtttttgt 10100 cagagggcgtcaatattattttctcaaaacaagaaaatatttcattgcaa 10150 aggagacaaacaaaaggtccttaataccaaaactttgaaatgtgatttc 10200 ttgtacttggcagtgtccaagtggtaaacccaaacagtattgggttttca 10250 10300 ttttgttcaggaaagtctttgtctggcagcgacttacccttacatcaggc 10350 gggccttgctcattcattcacttaagtatttattaaacaccagcggtgtg 10400 10450 ctgctctcagggagcttgcagcagagatgggggctgcaatagagagtaag 10500 ccaaggaaatgaaaaggaagttgatttcagagagtgatgaatgctatga agaaaatgaaggcagcgcagtgtgatggagagtgacccaaggtggtacag 10550 10600 10650 tcatgtgatgccacagcaacttttccaggtgctcgtttcctcccacttcc 10700 cagtctcttgcccagccgcgactgcttacaaatacagctagaggaatcta 10750 aatgaggttcctctatcatcaaacccaatcaaaatgccaaggaacagaat 10800 cagtgcctggctgaaggcagtggaacagggccagcctggagtggttctct ctgaggaagttcctcatcttggttttagggccataccttgtgacctgtga 10850 10900 gctaggggttgccagtccctgacatttctactgaggactcgcctgtctat attcccggcctgtatgtgtctcctgagttccagacacacagggcgaagcg 10950 cctgatggatggaagtatgttttttggtgttccattggtatctcaaattc 11000 tacaaaacttagtgccccttctcctcctgttcctccccatcttcagtct 11050 atcacctgttcctcatccagcaaatgatattaccatcttccaaggagctt 11100 11150 cccaggagtaatccttgactcctcctcaacatccaattaataatcaaatc taggccaggtacaatagctcacgcctataatcccagcactttgggaggct 11200 gaggcaggtggatcatttgaggccaggagttcaagaccagcctggccaac 11250 11300 aaggtgaaacctgtctcatttaaaaaaagttatttaaaaaactcaaatct attatttctacctctaagtgtgtcttgaatttatccatctctccatct 11350 ctgagctgttaccttacctcagtccatcacgttttgtctacgttaacatg 11400 accagagtettgttettagtetggtgaggteactecagetgetteagate 11450 cttccatggctcaccgttgccctcatataaagttggcactcctggacatg 11500 tggcttacggggccctccgtgatgtggccctatttgcttctccattctgt 11550 11600 gctcgtcaatggtgccagcttctcttctatctctggtctttggacagact 11650 tttcccttcacctggaatgctttcttcaatcctaccccactctctttaat 11700 ctagataaggtttattctttttgaatgtctagcagtgaaaccatttcccc 11750 11800 tgaaaaaccttctctaaccaaccccctaccctcagcccaaggtctagatt

19/33 aggagtccctctgaatgtttccatagcatttttaaagaattgcctattta 11850 cttgttcgtatctatcactaaactacaaattgtatgagaacagccactat11900 ctctgcctggttcaccattcatctccagcaactagcataatgcctggcag 11950 agtcagcctgcaacaaatatttgttgaataaattaacagatggctttatc 12000 tccttaagtaaatcttgcttttttcacctattaaaacagacgcacaggcc 12050 12100 aggtgtggtggcccatgcctgtaatcccagcactttggcaggctgaggtg 12150 ggcggatcacctgaggtcaggagttcaagaccagcctggccaacatggtg 12200 aaaccccatctctaataaaaatacaaaaattagctgggcatggtggg 12250 tgcgtatagtcccagctactagggaggctgaggcaagagaatcgcttgaa 12300 cccaggaggcagaggtggcagtgagccgagatcatgccactgtactccag 12350 12400 cacacacacacacacacacacacagttgtataatttaaaata 12450 taacgtgcttgttatggaacacttgtaaaatacaggaaagtaatgaaaaa 12500 gtctaccatctagctcaccacataatgaccattgctatcatcctggcata attctctcctgtatataaatatattcttttattgttaaaattacacta 12550 12600 tgagtactatttattttactgtggcaaaatgcgcaaaacataaaat 12650 cttgccattttaaggtatgcagtttggtgcattcaccacactcacattgt 12700 tgtgcaaatatcaccactatctatctcagaacttcttcgtcttcccaaac 12750 tgaaactctgtacccattaaacaatagtgcatcctctgttttcccctccc 12800 taca atttattttatttgggtttgtacca aactga aa atagctgcttct12850 tccttacttagttcagattagcatttccatttatttagccgtggttttga 12900 ggatgccatgacagatgccatccttcctagagctctttggggctgtcagg 12950 tatttcagtcagggtgaattcgggttgataacattttaaaatctcacttt 13000 attctgaggttcctagtgtcagagcccaccgtatttttagggactcccaa 13050 gttacaaacaaaatatggtgaggaggaatcactgaagttttaacacaag 13100 agacttacattttgttcaatttctatcttttagtttatttcctaagcata 13150 13200 tgagcacatcttaaaactttaaattttagatcagatctttaattcctagg 13250 13300 atcccaacactttgggagggtgaagtgggcgaattgctagagcccaggag gtggaggctgcaatggcctgagatcacgccatcgtactccagcctggatg 13350 13400 13450 gaagaagtattggcaatcagtgctccaggaataatttcctgacttgaaat 13500 aaacctacatgtagacaaactaattaggccattccaagagttgctagcat 13550 tggtttaatatgttttcagagcattccaggaagcagtgtggccagcattg 13600 catgtttgatacttcagaaatgtatgacaggtgtttctcttacccaggtc 13650 ttctgttttcttagttttgctcatgtaaatatttatgaacatcctcatct 13700 ttttgagggaagggattatagatcattctaattccattttctagcatttg 13750 gtaccattctaagcacatgataggcacccatttggagcatttttggcttg 13800 acagaatatgcatttagaattgttcaaattagaggtgtcagtgatgggaa 13850 ttagaatactatataattctaagtcatttgacttaaatacaaaagaatga ttttccttggtgggaatggtgaagggaggcaggagttaagaagaggaga 13900 agagatcctaagtcatttataaacttctctggaaagacaggtgtgtgaag 13950 14000 14050 ttaaatagactttatttttagagcagttttaggttcacagcaaaattga 14100 14150 gaacctacactgacacatcattatcacccaaagtccatagttcacggcag 14200 ggttcactgtcggtgtacattctatgggtttgagcaaatgtataatgaca 14250 tgtatccaccattatagtaacatacagagtattttcagtgccctgcaaat 14300 ccctgttctccacctattcatccctcctctctgcatttccaccccag 14350 cccctggtaaccgctgatctttttactgtcccatagtttcggacgatcta 14400 14450 tttttcagacagacacagagctgtctttcccttagtttctattctatcat  $\verb|ttctttctccccatccatcataaaaaggctatgagtttttttaagtgttg|$ 14500 14550 14600 tggctcatgcctgtaatctcagcattttgggaggctgtggcagaagcatc acttgaagccagaagtttgagaccagcctgggcaacatagcaagacccca 14650 14700 14750 cacacacacacaaaacaagctcttgccagaattagagctacaaattg ccctcaggttcctagaagatcagtccttcaattagattcagattgagatg 14800 cttcctcttttaaacaatgattccctttctatcatgcccaataagaaaac 14850

20/33	
	14900
and of actical conditional Cagada design and a second cagada design and a s	14950
	15000
	15050
	15100
tggaaaaatagttatactttcttgcttgtcttcctaacagTTCTCCAAA	15150
tggaaaaaatagttatattttttttttttttttttttt	
GCTTCGTACCTTGGCCAGAGGCTTGTCTCCTGCGTACCTGAGGTTTGGTG	15200
L R T L A R G L S P A I L R P G GCACCAAGACAGACATCCTAATTTTCGATCCCAAGAAGGAATCAACCTTT	15250
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
G T K T D F L I F D P K K B S S S S S S S S S S S S S S S S S	15300
GAAGAGAAGTTACTGGCAATCTCAAGTCAACCACGGGGGGGG	
	15350
aagattcactctatattttaattaacgtcagtccgtcatgagaatgcttt	15400
gagaaaactgttatttctcacacctaacaattaatgagattaacttcctc	15450
tccctcatctgacctgtggaggaatctgaacaagaggaggaggcagtgg	15500
gcaggtttccttatcatgatgtttgtcatgttcagtgtgaggcctcacaa	15550
aaaaaaaaaaaaaaaaaaggcgtcctggatataactgagagctcattg	15600
	15650
tggagggagcaagtgggtagaatcgcgtcaaactaaagagcatttctagc	15700
	15750
	15800
the second of th	15850
and accet agggggccatgaaaatttqtcctgcctccagaages	15900
-L-Langarat Caaat maamilidad liqual citud da	15950
	16000
	16050
	16100
- Laborate and a concentrate at a tale at the tale at	16150
- Land and an add at the transfer of the trans	16200
	16250
taraktaranaatantaatcanandaddudgadadayavuyuvyyy	16300
	16350
	16400
ggcacaagcatggcccactgcatccttgacctcttgggctcaagcaatct	16450
tcccaccttagcctcctgagtagctgggaccacaggtgcatgtcaccaca	16500
cccagctaattttttattttttgtagagacagtctttctatgttatcca	16550
ggctgatctcaaactcctgcactcaagtgatccccctgccttggcgtccc	16600
aaagtattgggattataggcatagccaccacacccaacctagtttctatt	16650
tagacttggccctttcccaccagtcatttgtgtccaaaagatctcataaa	16700
tgtagacaggaaactgtcctttgctcatcagttttcttcatcctgtgtct	16750
agggggatggtcggtgggggaaactgggggttatgcaagttcctctgaaac	16800
atcttgtgagccagggatggatgaggcaccagccgccagcgagtcag	16850
tgtgcagctttccagaaaggaagtcatcagccagtcagccggccctggca	16900
gccagcacccggcaaccctgctgtcttgtgataaagaaatggtctgcctg	16950
acaggatggtgggatttttcttttttttttttttttttt	17000
gtctggctctgtcgcccaggctggagtgcaatggcgggatcttggctcac tgcagcctctgcctcccaggctcaaggcatcctcccacctcggtctcccg	17050
agtagctgggaccacaggcacacaccaccacgccaactaagttttcgta	17100
ttttagtagaggcagggttttactatgttgtccaggctagtctcaaact	17150
cctgagctcaagctatccatctgccttggcctcccaaagagctggaatta	17200
caagcgtgagccactgtgcctgaccagggtggatttttcaagtgcacat	17250
gttgtggtcccagaagctctgatggtaccaaattccaagcgaaaaaaagt	17300
caatggttcccacccatcctacctcccatgatggcaagaggaaatcacca	
cactgcagatacagtccatgtaaaacaaattgctatggattttgaaagtg	17400
aaccttaagagaactgcactatgttttcttcattagagttctctggtaat	
ttccagctttttttttttttttttttagacagtgtctcgctttgtcgcc	
agtgtcacccaggctggagtgcagtgacgtgatctcggctcactgcaacc	
tccgcctcgtgggttgaagtgattctcctgcctcagcctcctgagtagc	
- LakettagtagagaggggggtttCacCalllygccaygccygcocog-	_
tcctgacctcaagtgattcgcccatctcagcctcccaaagtgctgggat	t 17700
/ Cooling and a series of the	

21700	
	17750
	17800
	17850
· · · · · · · · · · · · · · · · · · ·	17900
	17950
	18000
ataaatagctaactaaataataatatatagagaTATTTGCAAATATG aaatagaccttctaaatgatctcttccacttgcagATATTTGCAAATATG	18050
GATCCATCCCTCGTGATGTGGAGGAGGAGGTTACGGTTGGAATGGCCCTAC	18100
G S I P P D V E E R D CAGGAGAAAAAGTTCAAGAACAG	18150
Q E Q L L R E n 1 Q n n n CACCTACTCAAgtaagaaatgaaaggcaccctagagatgttccagcccca	18200
m v c	
table and taget congreace at ctage and tetacgg	18250
The standard description of th	18300
the analyst the state of the st	18350
t ====t+act+act+actactactactactactactactactactactactacta	18400
h h a sack was sett carterer taaaaaactacqqaqtcaayyaaaaca	18450
	18500
- to to the test accet dange could be controlled to the controlled to the control	18550
	18600
	18650
	18700
	18750
https://pagadaacaadaacccccttttttttttttttttttttttt	18800
to the state of the control of the state of	18850
-b	18900
- the set of a graph at the fattatt cagtic cold aggree and a set of the set o	18950
La paragraticatattattattgagtagctgagallacayyigcol	19000
	19050
tattagccagactccagactcgtctcgaactcctgatctcaggtga	19100
	19150
	19200
the act at the taccomact daddat dat dt t c c cage t dad	19250
	19300
	19350
	19400
	13,00
the best agage as a salt of that CCataagaaat Cagaaaacay Cycuc	13300
hankantagetaatgttgtcctctaaaaaaacttattttuuycattttuu	13000
	13000
	15000
barraga accacanaantaangccacatttgtaataatcactatuge	13.50
t -t -ct aggagagacccanttotattaggtaattaatggattigctot	13,30
	13000
	15000
	. 15500
catagttcctacaccaggggaaatgccttcctttgctaactatgcaacca	
gattagttagtgtaagtccagccaccctgttggcaatgctadaaggtaa	
acaaacacagaattttatttgcatttgtaaacatttgatttctggctcga	_
aattttcagttttcatgggcacgtcatggaaacagaaatcttctgtgttt	
agtttgggcacctactcattgtágtgacaaatatttcagaagccaatagg	-
ggattccacaaattgttctgaacctgtggctgagactggtaatggctgagat	•
+ magat magacataccacaaaaqaagagg cagcaaaagg cogcogaga	
aaggacatgttcattgcttagctagtggcctgcacccttaaaacacatgt	
cccaggctgggtgctgtggctcacgcctgtaatcccagcactttgggagc	-
ctgaggcgggtggattacctgaggtcaggagttcgagaccaacctggcc	
acatagtgaaacctcatttctactaaaaatacaaaaattagccaggcat	-
gtggcgggcgcctgtagtcccagctactcaggaggcaggc	a 20550
J cttgaacctgggaggtagaggregegagagagagagagagagagagagagagagag	

20600 aaaacaaacaaaaaaacaacaacaacaaaaaaacgggtatcccagaa 20650 20700 gatacaggtaagttttctaacacaggtcctcttgtatggtgcgttccact 20750 taagtagaagatgacaaaaacatttgtcatgagaatatagactcacattt taaacctgtttgagcaggaaaggaagcaatgttacagatgtaattctgg 20800 gtgtgactgcagaaaggatgactcccttattaaagtagtcatcctgagtg 20850 agctaactctttgtacttcctcttctcctctgttcccctcatcacccca 20900 20950 ttcttccgttgcctacacccaggcccacattggatgctgacatagactta catggtacagtccaagggaaagatctgccattttttcaatgtgtcatct 21000 tggttatcttcattccaaggatctctccactctttatacagtaagagatg 21050 agagtctggaaaggattgggaataagataatgaattgtaagttttaaatt 21100 21150 gttcttcgtattttggggaaggagtaggctaggtggtccttctgttttt 21200 ttttgtttttttttaaagtagatgtggccagacgtggtggctcacgcc 21250 tgtaatcccagcactttgagaggctgaggcaggtggatcacttgatgtca 21300 ggagttcaagaccagcctggccaacacagtgaaaccccgtctttactaaa 21350 aatacaaaaactagccgggcttggtggcgtccacctgtagtcccagctac 21400 tgcagaggtggaggcaggagaatcacttgaacccgggaggtggaggttgc 21450 agtgagccaagatcatgccattgtactccagcctgggcgacagaacaata 21500 ctctgtctcaaaaaaaaagagaaaagaaaagaaaagaatggatttga 21550 actcagtcgtcaatagcctctattccaggagatgttacagttgattatgt 21600 tatagggggtgtataatagaatttcgagctatgtaaattccaagtgcatt tggaagaatgaagaatggaggaagggtaaagtatgagtgcaagcattcc 21650 aggttttttgaaaatgctataatctttgttcagggctagtacaaagtgct 21700 21750 atttagctgtaagggttttttgtgatttacagacagttttcacatgtgtc 21800 atttcaaccttggttttatggcgaaggcatgtgatggtgcttgtcccagg 21850 actttagatccatatctgaggttcctgtcgggcaaagatattacccctga 21900 tcatattatagtctataagtgggagagttgtgcctggagctcaagtctta 21950 tgatttctgatccagggcacttcctacaacatgattttgcaatataaaag cctataatgtgtgactaaagcaggtcactcaccccttgtaacagactcta 22000 gtaatggtactgccaccaaacggctgcgtgatattgggcaaagacttacc 22050 ttatttgaatctcagtttcctcctagaaaaatgagggtggaggttaagca 22100 22150 taggctgatgatcctaaagcctccatactgccctaaactgtggctctaag atccagtagaatgctgggtcacaggactctagggagcttttcaaacccaa 22200 atgtctgtcattccttgatggtaggcagcagtttatggaagtgggcgaca 22250 22300 cagcaaatatcaaaatacctaaagcagcttgcaagagttgtttctgccta 22350 22400 agagtcttgctctgttacccaggctgcagtgcagtggcacaatctcggct 22450 cactgcaacctccacctcccgggtttgagcaattctgtctcagcctccca 22500 agtagctgggactacaggtgcatgccactgcacccagctaatttttgtat 22550 ttttagtagagacggggtttcaccatattgggcaggctggtctcgaactc 22600 ttgacctcaggtgatccacctgcctcagcctcccaaagtgctgggattac 22650 aggcatgagccactgcacccagcttaaatagctaatatttaatattattc tatagttattcaagtaattcaggccaaagacttagaaacaaaacaaaag 22700 22750 cttttttaactacaagagttcaggaatgaattactctttaacaaacgact 22800 22850 atagatatacatgaaaattggaaggacttattatgcatatgataatcaat 22900 ttaaagacaacattaaaattatattgttgccactctcaaaaagtggtaa tagaacagctaatggtttaaaaagcagagtacagaagttcccaaacttat 22950 23000 ggcaccttaatatcgcagaaaactttttaaagcatgcctaggccacaaaa aatacctgtattttgattattaaattgtaaggtctacacaacctaatagt 23050 aataggtccaatagtaatgctgtccaatagatgttgatgtttttttcctt 23100 23150 gcaaacttaaaagatcctacagtgcctctgtaaatagcactgcctggtta gagttgaatttcagataaataatttttttcatgttaattattttttt 23200 23250 gggtctcattctgttgcccaggctgctgtgcaatggcatgatcatggctc 23300 23350 actgcagccttgacctccctgggctcaggtgatcctcccacctcagcctc ccaagtagctagctgggactacaggtgcttaccatcatgcccggctaatt 23400 tttgtgttttttgtagagatgtggttttgccatgttgcccaggctggtct 23450 tgaactcctgggctcaagtgatccgcccgcctcggcctcccaaagtgcta 23500 ggatgacaggcatgagccactgcacctggcccctgggcgaagtatttctt 23550 aatggttacataggacatacactaaacattatttattgtctatatgaagt 23600

Fig. 16 (continued)

23650

tcaagtttaactaggtgccctgcacttttagttgctaaatcctgtagctg tacccatgcattcactggtgctccccagcttgccttgcacagagtttgga 23700 23750 aaccatagtcctataactctaggccaattttttaatgtaaaatttgattc attttaaattaataataacaggaattttttaaaaattgttttaaa 23800 23850 tataattaaaattatcaaaatattttttaactgaacttgtgactagagat atttagattatgaagagtggggtttatgctaactaatgacagtctggcta 23900 23950 tgcatgtggagcactgagctataaattgtggcttccccaattctcctgat gtcacttgaacaaacctaagtgtcagaccagagcttctggtatcttcca 24000 24050 24100 aatttgtccaattttgttgtctcaaaaacataattataatcatttattag aactagaatttcttcagtttaacaacagaaatagttattcattatgaaaa 24150 gcgaatctggaggccttcattgtggtgccaatctaaccattaaattgtga 24200 cgtttttcttttagGAAGCTCTGTAGATGTGCTATACACTTTTGCAAACT 24250 S V D V L Y T F A N R S 24300 GCTCAGGACTGGACTTGATCTTTGGCCTAAATGCGTTATTAAGAACAGCA S G L D L I F G L N A L L R T A GATTTGCAGTGGAACAGTTCTAATGCTCAGTTGCTCCTGGACTACTGCTC 24350 D L Q W N S S N A Q L L L D Y C S 24400 TTCCAAGGGGTATAACATTTCTTGGGAACTAGGCAATGgtgagtacccca S K G Y N I S W E L G N 24450 24500 tttctttttttttttttttttttgagacagagtctcgcactgc 24550 tgcccaggctggagtgcagtggcgccacctcggctcacttgaagctctgc ctcccaaaacgccattctcctgcctcagcctcccgagtagctgggactac 24600 24650 24700 tttttttgcatttttagtagagacggggtttcaccgtgttagccaggatg 24750 gtcttgatctcctgacctcgtgatctgccctcctcggcctcccaaagtgc 24800 tgggattacaggcgtgagccaccaggcccggctagcattatttcttatga cactttttttttttttgagacggagtctcgctctgtcgcccaggctgg 24850 agtgcagtggcgccatctcggctcactgcaagctccacctcccaggttca 24900 24950 cgccattctcctgcctcagcctcccgagtagctgggactacacgcacccg ccaccacgcccggctaatttttttgtatttttagtagagacggggtttca 25000 ccgtgttagccaggatggtctctatatcctgaccccatgatctgcccgcc 25050 tcggcctcccaaagtggtgggattacaggcgtgagccactgcgcccggcc 25100 aacactctttttattattagcaaatatacttctgcctgggcacattcttg 25150 caagtgctcaacaatgcaacttttggaagtgcatgtggcagaaactcctg 25200 25250 ctgtatttattccagaacctattattgctaatcccagtttatgttacatt 25300 tgaagtgagaaccagttggagccagcaacgttcccagctccaaagttccc ttgagattttcagaatcacttaaccctattatgcttggcaacctggactc 25350 25400 25450 gtttctcaaatgtgtcagttaatctcagtaaccccattgcaaccttcatt acctgcccaagcggtctagaacttgccagtatagaatcctacgtgggtca 25500 agctcctgactgtctccttcttcactcttttttttgcaaagaacttgtaaa 25550 ttttaactataagtattcatgattcgccacatttattcaaaacatagagt 25600 gctttttccacatatcagccaatggaaataaggattaaatgggaaatgaa 25650 atgtagtaataggataagcacaagtcttcttcctgctcaaacttttttt 25700 tttttttttcagacaagatcttgctctgttacccaggctggagtgcagt 25750 ggcgtgttcatagctcaatgtaacctccaactcctgggctcatgcaatct 25800 ctcacacctcagcccctgattagctaggactacactatgcctagccaat 25850 ttttttttttttgtctggttgtgttgcccaggctgtctcgatctcctggc 25900 25950 ctcaagtaatcctcctgcctcggccttctaaagtgctgggattataggca tgagccactgtgcccggtctcaaacctttttttccaaagtaaatgaagtt 26000 attagatatggaatatagtctagttcccagatatccatatccattggttt 26050 attaccctcattattaacttcaaattgtttaatagaccctcatatctcag 26100 26150 26200 ctctgtcactcaggctggagtgcggttgcgtgatcatggctcactatggc 26250 ctcgaccttctgggctcaagtgatcctctccctcagcctcccaagctgag 26300 26350 aacaaggctttactatgttacccagagtggtctcaaactcctggcctcag 26400 gggatcctcctgtctcagcctaccaaaatgctgggattacaggcatgagc 26450

Fig. 16 (continued)

Z4/33	26500
	26550
	26600
AACCTAACAGTTTCCTTAAGAAGGCTGATATTTTCATCAATGGGTCGCAG	26650
AACCTAACAGTTTCCTTAAGAAGGCTGATAATTTCCTTAAGAAGGCTGATAGTTCTAAGAAGGCTGATAGTTTCCTTAAGAAGGAAG	
E P N S F L K K A D I I I I A D I I I I A D I I I I A D I I I I	26700
L G E D F I Q E II K G G C C C C C C C C C C C C C C C C C	26750
CAAAAATGCAAAACTCTATGGTCCTOATGTCTCAAAAATGCAAAACTCTATGGTCCTOATGTCTCAATGGTCCTCAATGTCAATGTCA	
	26800
K N A K L I G F D D D D D D D D D D D D D D D D D D	
- · · · · · · · · · · · · · · · · · · ·	26850
T A K M L K S  ttttcttctttttccttttgagacagagtctcactctgtcagccagactg	26900
	26950
	27000
	27050
ccctgtgttgcccaggctggtcccttgaactacaggcatgagccaccacac tccacctcagcctcccagagtgccaggattacaggcatgagcaaa	27100
tecaceteageeteccagagtgecaggaetuouggong	27150
, , , , , , , , , , , , , , , , , , ,	27200
	27250
FEFFMAAMAAAAAAAAAAAAAAAAAAAAAAAAAAAA	27300
, , := E = A A A T T T (1) A) 1.77744 LWW W F 3 * J J	27350
	27400
catgcgtatattgtgcatatatatgtgtattdtdtgtgtgtgtgtgtgtgtgtgtg	27450
F L K A G G E V I D S V	
F L K A G G B V Z Z	27500
ACATGGCATCAgtaagtatgtctcctattcttaatactaggaaagtaagg	
11	27550
T W H H ctagctttatttattacctagtattcaaaaagttagttcatttaactgcc	27600
Lt assatsandanduquucuuuguuguuguugu	
	27650
,	
acccaggagtacatgtccttgccactgtgtttttcaagacagagtaact	27800
acccaggagtacatgtccttgccactgtgtctctataactcccttcca	27850
· · · · · · · · · · · · · · · · · · ·	
tgggagaggtaagaaggagatatatggtoby- agtaaaatttgttatttttttttctgaatatttctgtgtaatttagCTAC Y	
TATTTGAATGGACGGACTGCTACCAGGGAAGATTTTCTAAACCCTGATGT	28050
	7
Y L N G R T A T R E D L L L L L L L L L L L L L L L L L L	28100
the base of the age of the contract of the con	28150
gttctaaattctataggtatgtatatttacatgtttttagggt	,
gttctaaattctataggtatgtatuttuuts aacaagcactatgacttatccactgttagttttccccttagcattgggtc	
aacaagcactatgacttatccactgttageettattccaatagcctttac	28300
ttaccccatgtacgtgattagaaatttgaaatatttccaatagcctttac	28350
	_
	<del>-</del>
gctttttgcaattaccatggatacttttttttttttataggiooil	A 28550
• •	
GCACCAGGCCTGGCAAGAAGGTCTGGTTAGGAGAAACAAGCTCTGCATA	_
C K K V W L G E 1 3 3 11 1	
CCACCCCGACCCCCTTGCTATCCGACACCTTTGCAGCTGGCTTTATGC	g 20000
the same and the s	t 28700
The Manual Control of the Control of	
i i i i i i i i i i i i i i i i i i i	_
tcagtggctgayttcatadatttaatcactat	a 28850
(Continued) acta a agett gaggacatett ta aca agett to a a acta a agett a agett to a gas a acta	at 28900
(OUIIIIIIOO) aggatgaattgtttcagaaattttggcccctaattaagg	
<del>-</del>	

gtcaagtagtccttactctaaagaagtacactgtaaaagaatgcatatag 28950 29000 ccggatatggtagttccctgtaatcccaatactttgggaggccaaggtgg 29050 gaggattgcttgagcccaggagtttgaggctgcagtgagttatgatggtg 29100  $\verb"ccactgcactctagactgggcaacagagtgagactgtctttttttccc"$ 29150 ctctgtcacccagactggagggcagtggcacgatctcacctcactgcaac 29200 ctctgcctcccggattgaagcgattctcctgcctcagcgtcctgagtagc tgggactacaggagtatcaccgcactgggctaatttttgtatttttagta 29250 gagacggggttttgacatgttgcccaggctggtctgaaacccatgagctc 29300 29350 aagtgatctgcctacctcagccttccaaaatgctgggattacggacatga 29400 29450 29500 ctataattcatagattcccaagaagtttagagcctaaagtatgaggtccc 29550 accagaggggctatcattaaatttaaagatttgttaaatcatctcattgt ccaacaccacaaacttgattgctttaaaatactggtttagttacatttag 29600 29650 taactctattagtgcttttaatctatactgctatatcctcacattgagat 29700 29750 ttataagcctagaatacatcacaaatcctttatgcccatggaagcaagag gaataaagaatggagatgtttgttttgccattaactaaagatctggggtg 29800 tcggggagaaggggatagagaaggagaagtgggaagaggtgtccataat 29850 agcttaggtgcaattctgcttattttacattttacccccgctgactgcca 29900 29950 ctttttcttcagccctcacacattgtttgtgcagggacctcataggacca 30000 ggaattgtctatagaggtgggaatttgtctcaccctgaaagggatacctc 30050 tagcatggtaatagtcttctaggatttgttatcatatggaaagatgtaaa gggagggattctgctgctgctgctgctgcatgcagttgccatttcat 3 100 30150 ttaaatgacttatttataattgatgacacttttctggcttcctgttaatt cctcctcaaagatcaataaaccagaaccaggcatggtggcatgcacttg 30200 30250 30300 ccaattatcaagacagggaattgcaaaggagaaagagtaatttatgcag agccagctgtgcaggagaccagagttttattattactcaaatcagtctcc 30350 ccgaacattcgaggatcagagcttttaaggataatttggccggtaggggc30400 ttaggaagtggagagtgctggttggtcaggttggagatggaatcacaggg 30450 agtggaagtgaggttttcttgctgtcttctgttcctggatgggatggcag 30500 aactggttgggccagattaccggtctgggtggtctcaaatgatccaccca 30550 30600 gttcagggtctgcaagatatctcaagcactgatcttaggttttacaacag 30650 tgatgttatccccaggaacaatttgggggaggttcagactcttggagccag 30700 aggctgcattatccctaaaccgtaatctctaatgttgtagctaatttgtt 30750 agtcctgcaaaggtagacttgtccccaggcaagaagggggtcttttcaga 30800 aaagggctattatcatttttgtttcagagtcaaaccatgaactgaatttc 30850 ttcccaaagttagttcagcctacacccaggaatgaagaaggacagcttaa 30900 aggttagaagcaagatggagtcaatgaggtctgatctctttcactgtcat 30950 aatttcctcagttataatttttgcaaaggcggtttcagtcccagctactt 31000 gggaggctgagacaggaggattaatggagcccaggagtttgaggttgcag agagctatgatcacgccactgcactccagcctgggtgacagagtgagacc 31050 31100 aagatggtgtgcaattagaattgagcgattttgtttccaaacctcaagaa 31150 agcttggtcttgctctgtcccagGTGGCTGGATAAATTGGGCCTGTCAGC 31200 WLDKLGLSA CCGAATGGGAATAGAAGTGGTGATGAGGCAAGTATTCTTTGGAGCAGGAA 31250 RMGIEVVMRQVFFGAG ACTACCATTTAGTGGATGAAAACTTCGATCCTTTACCTgtaagtgaccat 31300 NYHLVDENFDPLP tattttcctaattctagtggagtagattaaagtcaactcaggacctctgg 31350 tgttaacctcctatgaacagtcagtcctctcagtaactagccaaatcatg 31400 agatgatgaattagaaggagccttagatagcatccaatctaacattttt 31450 31500 tgtgtgtttgaagagaagaatcaagagctaggaataactttttaaaggt aagccatttgcagtatagtgtggattttgtttaaaagggggataatttgaa 31550 attttatgactcattatacaagacaaaataagttggattttcaaatgttt 51600 tacaaagtaaatcaaagttataattgcctacagtacgcaaagcttcaaaa 31650 31700 cattttttatgttatgaaattgtaatttatttaaccttaaaatgagccag taccatgtgtttgcttaaaaatctcatgctaagaatttactatgttgtta 31750 31800

Fig. 16 (continued)

aactgtatctggtgctaaatcaggaaatgtttcttcccaaaaagcctcgt 31850 ggaagatctgtatgtctaaatatatgtcagggataatacagatgtagccc 31900 tgcgaagcatgaccttgatttttatagtctaaaatgtcatttgcagatat 31950 ctattttctaagaataattcctaaaagaattatttgaatgttgtaggaaa 32000 gctaagaaattttgcaaagagcgtacgtgaaaatataagctaggcttttg 32050 tggtttgtggatagacttcccaacaaattgctttttatctatagtgatc 32100 caagcttgtggaacatattagtcatctttttttagaaaattcttagaaaa 32150 gtgatcttgcaaaatggaatttatctttccccaagtatattctgtcatg 32200 tatagagttaaactaagcatagtaatttcaccagacaaacattcaaaatc 32250 tactcctgacctttttatctcatccaaattttcccagggcccagacataa 32300 32350 acctttgccttacgaactctttgtatatgcactaaatatgcttctccttc 32400 aaggttctcagtcagctagaaaaatgtgcaagagtaaatggtacccttct cacttgtagatccaagagaattagacttaaactcactctacatgtctgtg 32450 actttattttatttgcatgacagtcctgtgaggtggcaaggcaggtatct 32500 tggatccattttttagataaggaagttcaaattgagaagaggttgcatga 32550 tttacaggaagccatactgtagtcctatgttactcttaaaaatcccattc 32600 32650 32700 catgcttatgtctcctttgaaaacattgattccactcttgtctccagtga aaaagtggaatttaagcagagaaacaaaagccatttgtcttgttaagtct 32750 actttccctctactttcaagaaggaaagttggggtatgtgttgaatggtg 32800 32850 atttatttatttattattttaaaaaattgatacaaggtcttactgta 32900 ttgtgcaggctggtctcaaactcctgggctcaagtgatcatcccacctca gcctcccagtgttgggattacagcatgaaccattgtgcccaccaccgatc 32950 cgcagttttttaagaaaacttttactatagaaaattttaatcatataca 33000 aaatacagaggaaagtatatgaacccactttaggagactagaatatgcca 33050 33100 ccccaaaatatgccactttggcataaggattatttcgagctaaaggcaac tgggaagaacacatagaagaaaagttctctgtccttctccatttgccta 33150 aaagcaggacatgaatcttaaaagtccccttccttccctttctaccagga 33200 aaaacaagagttaatcactgaagataacttcagacccttatcagtgtaga 33250 33300 aacttgccaccccagagactaaaaatccttttcctttgtcatgtctcttg 33350 tccaaaaatttgctctataagctggagttctaagccacctctttgagaat 33400 tacttgttccctggtattttctgttaacatacatgtattaatacatgt 33450 taacaagcttctgttttttttctcctgttttctgtcttgttacagaggt 33500 33550 ccatcccaactaagaactaaagagtaggaggaaaatataatttcctcctg catactttgatcttgtttaatccgtaacccttcccacttttcacctccta 33600 cctattagattactttgaagcaaatttcagatatattactttatctataa 33650 atatttcagtatgtgctaggtgtggttgactcacacctgtaatcccaacac 33700 tttgggaagctgaggcaggaggatcacttgagcccaggagttcaagacca 33750 33800 gctacggcaacaaaaatcaaaaacttatctgggcatggtggcacatgcc tgtggtcccagctacatgagaggctgaggcaggaggatcgctttagccca 33850 ggaggttgaggctgcagtaagctgcattcacaccactgcactccagcctg 33900 33950 cctttttgtaaaaacacaatacttttatcatactttaaataataacaata 34000 attccttagtatcaccaaatattttgtcagtgtctcacattttccttatt 34050 gtctaaaatattgttgatagttattcaaatcagaatccaaacaaggtcca 34100 tatattacatttggttgacaagtctcttaagtttgttcatctttaagttc 34150 ttcctcctctttcatctcttgtaatttattaatgtgaaaaaacaggt 34200 aatttgttctatagtatttcctacattatagagtttgctacatttattcc 34250 ctatgatatcatttagcatgttcctctgtcccctgtgtttcctgtaaact 34300 ggtagttatacctagaagcttgagtttattcaggtttttaattgtatttt 34350 ttttgcaagaattctttattatctgcttctggaagcacagaatgtctggt 34400 tgtgtctggttttgatcttgacagctactgatgaccattgcctaatccat 34450 34500 gattttttaactgttattttgagacagtgtctcatttcgtttcccaggc 34550 tggagtgcagtggcacaatcacggctcactgcagccttgacctcctggga 34600 tcaggtgatcttctcacctcagcctcctgggtacctggaactacaggtgc 34650 acaccaccacctggctaatttttgtattttgtgtacagaaggggttt 34700 catcatgtttcccagactggtcttgaactcctgggttcaagtgatctacc 34750 cacttcagcttcccaaaatcctgggattacactttggccaccgtgcctgg 34800 cctaaatgaaattatttgtctctaaacagacagaagttttactttaaaaa 34850

tttgtctttgtgtgtacatgtgtttgtgtatgtgtgtgtctaaa	agtt :	34900
tggctttgagctttgctttgaattcttggatgaacaataaccaagaa	atac :	34950
ttaaactctgatcattcttgacagatatcccctacaggctatggcc	tttt :	35000
gaattgtgtcctccagtgataaaaagcagcaagcacgatactgctc	tcag :	35050
attcatggtggtcacatgtgaggtgaaaaaaaaaaaaagatgaat	ccta	35100
tttaaatgccccaggataacagtgatactctttgtaggataacta	tttg	35150
cttgccactggtttcattaaataaggacataagtaaagatctattt	ttgt	35200
ctctttctcccaaccaccacaactagGATTATTGGCTATCTCTTC	TGTT	35250
n y W L S L	L F	
CAAGAAATTGGTGGGCACCAAGGTGTTAATGGCAAGCGTGCAAGGT	TCAA	35300
	S	
K K L V G T K V L M A S V Q G AGAGAAGGAAGCTTCGAGTATACCTTCATTGCACAAACACTGACAA	lqtaa	35350
- + Buytuch N T D N	1	
gtatgaaacacaccctttaccaatcatcaagttttagtgggtaagc	ctat	35400
aactttactcaaacaccctgttgcatgtgtctatacattgcataag	ıtata	35450
ggcagttgcaatttagtaaagttttatacaacgattttattta	ttat	35500
ggcagttgcaatttagtaaagtttatacaacgattattttaagacc	-	35550
tttagaagaaaaatgctacttttgttgttgttgttttttgagacg	actac	35600
ctcgctcgtcacccaggctggagtgcagtggagagagaga	raata	35650
aacctccgcctcccgggttcaagtgattcttgaagaggagaacaat	ragaa	35700
acaacaatattattttcaaaagttgtgaccgcagtttctggagttg	aaaat	35750
gacatcgagatttttgtagcctcatactcttgctttaggtagcaaa	attcc	35800
gttcctaaatctcaggaatattctctagataggtttcaatctatca	ctacc	35850
tgataagatgatgctgaaatactaattctagccaaaaaagaccag	antan	35900
atttccgattgttggggactgggaactctggatagtgaggacccca	atcad	35950
gaagtagcgaggggaatggtttgaatggataaattcataaaaaatc	geeag	36000
tagatttaattttcttatacatttcagtctttttataaggctagga	aaaay	36050
ccctgttttatggtttataatttgaattcacatgaacccacaa	cttaa	36100
gccttttaccttcctatgtctgaaaatggatagtctggctgg	24263	36150
caacccagctggcagagctgtgaggatctcagtgtgctctagccc	agaca	36200
ttggtagcatgaacggcaacattttaattgtgttttcaaaatag	gagea	36250
cactagcggtctaaaacgatcataaaagaaggatactaagagggc	ccacc	36300
gtcattatggatcctaatacttaggatgcattatggattgtcatt	argga	36350
tactaatacttaggatcacatttgtaattgagtttttaattgctt	aaatt	36400
agatacatatttctattaagttaacctctttgcttttagTCCAAG	GTATA	36400
PR	( 1	36450
AAGAAGGAGATTTAACTCTGTATGCCATAAACCTCCATAATGTCA	T K	30430
V V C B L L L L A A A A A A A A A A A A A A A	_	36500
TACTTGCGGTTACCCTATCCTTTTCTAACAAGCAAGTGGATAAA	YL	36300
VIRLPIPESHA V V V V V	_	36550
TCTAAGACCTTTGGGACCTCATGGATTACTTTCCAAgtaagtaat	tttcc	36330
LR.P.L.G.PHGLLSK		36600
ttgttcattccaaactttcaataaatttattggtgtttatcagaa	itagag	
ant thomac anggageaaaagacaaagteaactatateaagttet	caataa	36650
ttettaatatteaggaaatttatgtatgaataettaetaatatga	agcaca	36700
act cat cot aggat ctaaagcaaaaggat gt gaacacaaactag	gcagtt	36750
arcttagagaataagtttgcatttcaaaataacttgacatatcaa	agatee	36800
act caacgcatttaaattatttactctaaaaaagacataattcttg	ggtaac	36850
acattcactaaagcaaaatatacctttatataattgctatcaaag	ggtatg	36900
tagattagtataaaatatcataccatgtgagatcagtgtgattco	cittac	36950
agcattaattttattggttagagtaagaaaaagaatagctagag	gtatat	37000
ttettaagtagatteteataeaetttggttteaaaaaeeaatta	ttgact	37050
acatchtataaaagcctgtattcaatggagtgccaaaaaatgact	tatgag	3/100
tettaaagagttaggeatataaatattttaaggtttetgtteaa	tgtatg	37150
tragaaggagttcctttctcatqactattctcatattggagcat	aaaaag	31200
antitacaggettggegeagtggeteatgeetgtaateceaata	ctttgg	37230
gaagetgaageaggeagateaetteageeeaggagtttgagaee	agccig	31300
ggcaatatggcaaaactctctctacaaaatataccaaaattagc	caggcg	3/350
Fig 16 tggtggtgcatgcctgtagtcccagctacttgggaagctgaggt	gggagg	3/400
attacttgagcccaggggggtcatggctgcagtgagctgtgatg	gegeet	3/450
The states are all all all all all all all all all al	laataaa	31300
(COntinued) ctgtcacccagcctgggtgacagagtgagaccctgtctcaaaaa	atcttt	37550
•		

gcaaatgccacataagtgatgtttccaggactattagcctcggaacctg 37600 aggcagtacagtaagcacgctttctccaaagtcctgtcccccacagacaa 37650 acattatttacactgggtactgctcttttattttttcccctctatgcttt 37700 attttactataactataatcatataacatgtaataggaaaaaggcagggt 37750 cgggggagagatccagaagtcttcccaagagcctttccaacatagcctct 37800 37850 37900 gagtctcactctgttgtccaggctagagtgcagtggcgtgatctaggctc actgcaacctccgcctcctgggttcaagcaattctcccacctcagcctcc 37950 ctagtagctgggattagaggcatgcatcaccacgcctggctaatttttgt 38000 atttttagtagagatgaggtttcaccatgtgggccaggctggtcttgaac 38050 38100 tcctgacctcaagtgatccacctgccttagcctcccaaagtgctaggatt 38150 acacgagtgagccaccgtgccctgcccctattacattctgatcacacatt tcatgttttataattggaaaactggtgaaattatagacaatgttttgttc 38200 ccctaaattctctttgatgagtatatattacttacactcttctgtcttta38250 aaattttgcaaaatagtatcctagataagtttatgagtgcacagtctgta 38300 38350 cgcttactcatattaatgacctcggagagttaaacaacagtcacctttaa 38400 aaattattactatcattatcattatttttgaggcgggggtctcattctgt 38450 ctcccaggctggagagtagtggtgcggtcacagctcactgcagccaccgc tacctgggctcaagtgatccttcctcctcagccttctgagtagctgagac 38500 cacaggcttatgctaccacacctggctaattttttaactttttgtagaga 38550 38600 cgatgtctcattatgttgcccaggctggtctcaaactcctaagctcaagt gatcttcctcagcctcccaaagtgctgggattacaggcatgaaaaactgc 38650 38700 acccagccctaaaaattattagggtcctgcatagtaagactttaataaat 38750 atttaaatgaacatctggtttttttaaaaaaaaaatagagacaaggtctc 38800 actatattgcccaagctggtctcgaactcctggactcacgcaatcctgct gccttagccgcccaaagtgctgggattacaggcatgacccacctcatctg 38850 38900 ggctgagtgaacatatttttaacataaaggccgtattttatatttatctc 38950 atacattttgcccagcatccccatttccgccgaatctgttgcttaat tccttccagcttcatttcatctgaaatttgacaaacatcttctatttctt 39000 tgtcgtcatgttattgacttcagaatataaaataaaacactatacccaaa 39050 39100 ttaaaccccaccctcattgcccagcctgatgtgaaaataatcagcataca 39150 ttaagcttacccttgatatatgtgtagcatcttttagataaatatacagc tgattaagcaatatagcctgatggtataatatcttgcccatgtacctcat 39200 39250 cttatctccagcaggattaattcacagtgatcagatttacctttaaactt tgtagcaaaatatcctctccaaaagcatatctaaaacttttgtgtgtact 39300 cttgcaagtttcttaatttcatgcagaacaggctcttaccactgttagct 39350 39400 ggagatattttcaagacctatttttgtttgtggtttcctgatgatggtca 39450 tggcatttcccccttcactccatctaaaaattgaggtgatacaggctttt 39500 aaacaaaccaactcatatagactgagtacaactgcaatgcaggcatgct 39550 aacctctgctacaatcatgggcgtgctattgatatgtcttaagttacaga 39600 acacagggctgagcgtctcattaggtcaaaatgtaaaccagtttttctgc tcactgatgcttaatgaggacagggtgtgagagatttctttaaggaaaac 39650 39700 aaatatataataatgctacatggaaaaatatctaacattagagaattaag taaataaactaatactcacaccatggaatcttgtgcagacattaaaat 39750 tatgtagtggatggtttaatggtgtgagaaaaagttaggatgtgctg 39800 gggtggggggaagaatcaagttttaagaaaatacagtatacccatactta 39850 agtaaaaaaaaaaaaaggtatgtacagtcatgtgttgcttaatgatgg 39900 ggatacattccgagaaatgtgtcgataggtgatttcatccttgtgtgaac 39950 atcatagagtgaacttacacaaacctagatggtctagcctactatgtatc 40000 taggctatatgactagcctgttgctcctaggctacaaacctgtaaagcat 40050 gttactgtagcgaatatacaaatacttaacacaatggcaagctatcattg 40100 tgttaagtagttgtgtatctaaacatatctaaaacatagaaaactaatgt 40150 gttgtgctacaatgttacaatgactatgacattgctaggcaataggaatt 40200 ataattttatccttttatggaaccacacttatatatgcggtccatggtgg 40250 40300 accaaaacatccttatgtggcatatgactgtatacatgtacacaaaaaat agatgaaagaatgaatatacatcaaaatatttaaaatggttataatgact 40350 40400 40450 ttatagtgtttactatataaaagacactgttataagtgttctacatactt tacatgtattacctaaatgatataaatataactctgacagtaactaatct 40500 40550 40600 gctctaccaggctggagtgcagggtgcaatctcggctcactgcaacctcc

29/33	
gcctcccaggttcaaacgattctcatgtctcagcctcctgagtagctggg	40650
· · · · · · · · · · · · · · · · · · ·	40700
. LALL WOOD FATTOACCAMMETOLIC LYABOLC CONSTRUCTION	40750
Luck - Langet acct cancet cccaaaqtqctqqqqqctqcqqqq	40800
. LL_mactaatcftacaadtttttadatattaaayayay	40850
the standard transparation of the st	40900
	40950
	41000
Liberatardatatandaataacacccccadccc	41050
taagaacgttcaacagtttttaatttgaattccaatagtgaaatacatag	41100
aaaatataaaattttctgtagtttagccaaattgtttttgtttcaccaca	41150
gcattctaccaaaatttcttaataacagtaagaaaatgaatg	41200
ctgcagggagagggagttaggcagtttatgggcatagttacaagtgaga	41250
aatttcattggctaccatttacgctaaattcataaaaactgcattcaatt	41300
ctatatatctatttctttacataaaaaaggtttcaattattggccatta	41350
aataaaatagccaccattccagaagttgtgtcatgtttatccttttata	41400
ccaccatcatattgcctattatatagattgtgtgtgttccattttctgta	41450
atgggccagacagtaagtatttctggctttggagtccatatggtctctat	41500
cataactactcatctctgccattgtagcttaaagattatctaggtcaaat	41550
gcctaagtgatatagtgttgaaatacaagttatataatataggctgccac	41600
aaaaaaaatttatttggtctaaaaaagatttcatgacttttgtagcagc	41650
	41700
cagATCTGTCCAACTCAATGGTCTAACTCTAAAGATGGTGGATGATCAAA	41750
CagATCTGTCCAACTCAATGGTCTAACTCTTTTTGTTCTCCAACTCAATGGTCTAACTCTTTTTGTTCTCTAATGGTCTAACTCTTTTTGTTCTTTTTTTT	
2 A A II II A P 1 -	41800
CCTTGCCACCTTTAATGGAAAAACCTCTCCGGCCAGGAAGTTCACTGGGC	41800
T L P P L M E K P L R P G S S L G	
TTGCCAGCTTTCTCATATAGTTTTTTTTTGTGATAAGAAATGCCAAAGTTGC	41850
L P A F S I S I I I	41900
TGCTTGCATCTGAAAATAAAATATACTAGTCCTGACACTGaatttttcaa	41900
P C T *	
gtatactaagagtaaagcaactcaagttataggaaaggaagcagatacct	
t = nnnngganct agt gggt gat get gat gat gat gat gat gat gat gat gat ga	-
	1224
*** = = = = = = = = = = = = = = = = = =	
gctgggattataggcgtgtgccaccacgcccagctactttctatattttt	
tgtagagatggagtttcgccatattggccaagctggtctcgaactcctgt	42400
- the second of	,
ctgggattacaggtgtgagccaccacacccagcagtgttttatttttgag	,
acagggtatcattctgttgcccaggcttgagtgcagtggtgcaatcatag	,
atcactgcagccttttaactcctgggctcaagtcatcctcctgcttagcc	42600
teccaagtagetaggaccacagacacatgccatcacacttggctatttt	
aaaaatttttgtagagatggggtctcgctatgttacccaaactggtc	
tgaactcctggactcaattgatcctcccaccttggccttccaggtgctg	42750
gatttctttgggagtacagcatggtacagcaggagatcatttgatgtta	a 42800
ctctgtgcagtgttgctagtcagcgaaagactataatacctgtggggac	g 42850
gcgattagccaccacaaccagtctttatttaaagttattaaaaatggct	q 42900
ggcgcagtggctcacacctgtaatcctagcactttgggaggccgaggca	a 42950
atggatcacctgacgtgaggaatttgagaccagcctggccaacatggtg	a 43000
accccatctctactaaaaaatacaaaaattagctgggtgtggtcctgt	g 43050
gtcccagctacttgggaggctggggcaggagaattacttgaacccagga	g 43100
gcagaggttgcagtgagccgagattgtgccactgcactccagcctgggt	á 43150
acagagagattccatctcaaaaaaacaagttattaaaaatgtatatgag	t 43200
atgctcctaatatggtcaggaagcaaggaagcgaaggatatattatgag	a 43250
tttaagaaggtgcttagctgtatatttatctttcaaaatgtattagaag	a 43300
tttagaattetteetteatgtgeeatetetacaggeacecateagaa aagcatactgccgttaccgtgaaactggttgtaaaagagaaactateta	t 43350
aagcatactgccgttaccgtgaaactggttgtaatggtt	t 43400
ttgcaccttaaaagacagctagattttgctgattttcttctttcggttt	

43450 ctttgtcagcaataatgtgagaggacagattgttagatatgatagtat 43500 aaaaaatggttaatgacaattcagaggcgaggagattctgtaaacttaaa 43550 attactataaatgaaattgatttgtcaagaggataaattttagaaaacac 43600 ccaataccttataactgtctgttaatgcttgctttttctctacctttctt 43650 ccttgtttcagttgggaagcttttggctgcaagtaacagaaactcctaat 43700 tcaaatggcttaagcaataaggaaatgtatattcccacataactagacgt 43750 tcaaacaggccaggctccagcacttcagtacgtcaccagggatctgggtt 43800 cttcccagctctctgccatctttagcgctggcttcattctcagac tctggtagcatgatggctgtagctgtttcatgggccccttcaaacctcat 43850 43900 agcaaccagaggaagaaatgagccattttttgagtctccttcatagact tgaataactcttttcagagcttctcacagcaaacctctcctcatgtctc 43950 44000 ctcatgtcttattgttcagaaatgggtaatgtggccatttcaccagtcac 44050 tgccaacaacgaggttcctataattgtctctgagtaaccctttggaa 44100 tggagagggtgttggtcagtctacaaactgaacactgcagttctgcgctt 44150 tttaccagtgaaaaaatgtaattatttcccctcttaaggattaatattc 44200 ttcaaatgtatgcctgttatggatatagtatctttaaaatttttattt aatagctttaggggtacacactttttgcttacaggggtgaattgtgtagt44250 44300 ggtgaagactcggcttttaatgtacttgtcacctgagtgatgtacattgt 44350 acccaataggtaatttttcatccattaccctccttccgccctcttccctt 44400 ctgagtctccaacatcccttataccactgtgtatgttcttgtgtacctac 44450 agctaagcttccacttataagtgagaacatgcagtatttggttttccatt 44500 cctgagttacttcccttaggataacagcccccagttccgtccaagttgct 44550 gcaaaatacattattcttctttatggctgagtaatagtccatggtacata 44600 tataccacattttctttatccacttatcagttgatggacacttaggttaa 44650 ttccattcaatttcaatttaagtatatttgtaaggagctaaagctg 44700 aaaattaaattttagatctttcaatactcttaaattttatatgtaagtgg 44750 tttttatattttcacatttgaaataaagtaatttttataaccttgatatt 44800 gtatgactattcttttagtaatgtaaagcctacagactcctacatttgga 44898 accactagtgtgttttcaccccttgttatactatcaggatcctcga

Fig. 16 (continued)

	31/33
	50
	MILITSKPALP PPIMILLIGP IGPLSPGALP RPAQAQDVVD LDFFTQEPLH
human	MLLRSKPALP PPIPILIEUGP LGALAQGAPA GTAPTDDVVD LEFYTKRPLR
mouse	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
rat	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	100
human	LVSPSFLSVT IDANLATDPR FLILLGSPKL RTLARGLSPA YLRFGGTKTD
mouse	TO THE TRACTATION FITTIGSPRE RALANGESPA TIME COLLEGE
rat	SVSPSFLSIT IDASIATOR FLTFLSSPRL RALSRGLSPA YLRFGGTKTD
Lac	
	150
	FLIFDPKKES TFEERSYWQS QVNQDICKYG SIPPDVEEKL RLEWPYQEQL
human	THE PROPERTY OF THE PROPERTY O
mouse	
rat	FLIFDPNNEP TSEERSYWQS QUNNDICGSD RVS/2007
	200
	THE THE PARTY OF STREET AND LIBRADIOWN
human	LIREHYOKKF KNSTYSRSSV DVLYTFANCS GLDLIFGLNA LIRTADLOWN
mouse	LIRENYORRE KNSTISKSSV DVLISFAKCS GLDLIFGLNA LLRTPDLRWN
rat	~~~~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
140	250
	250
1	SSNAQLLLDY CSSKGYNISW ELGNEPNSFL KKADIFINGS QLGEDYIQLH
human	SSNAQLLLDY CSSKGYNISW ELGNEPNSFW KKAHILIDGL QLGEDFVELH SSNAQLLLDY CSSKGYNISW ELGNEPNSFW KKAHILIDGL QLGEDFVELH
mouse	SSMAQUIDE COURTS CONTRACTOR CONTRACTOR CONTRACTOR
rat	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	300
	KLIRKSTFKN AKLYGPDVGQ PRRKTAKMIK SFIKAGGEVI DSVTWHHYYI
human	KLLRKSTFKN AKLYGPDVGQ PROKTVKLLR SFLKAGGEVI DSLTWHHYYL KLLQRSAFQN AKLYGPDIGQ PROKTVKLLR SFLKAGGEVI DSLTWHHYYL
mouse	KLLQRSAFQN AKLYGPDIGQ PRGKIVKBEK SIZES
rat	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	350
human	NGRTATREDF LNPDVLDIFI SSVQKVFQVV ESTRPGKKVW LGETSSAYGG
mouse	NGRTATREDE INTERVIENT LSVQKILKVT KEITPGKKVW LGETSSAYGG
rat	~~~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
240	400
human	GAPLLSDTFA AGFMWLDKLG LSARMGIEVV MRQVFFGAGN YHLVDENFDP
	GAPLISDIFA AGFMWLDKLG LSAQMGIEVV MRQVFFGAGN YHLVDENFEP
mouse	
rat	
	450
_	LPDYWLSLLF KKLVGTKVIM ASVQGSKRRK LRVYLHCTNT DNPRYKEGDL
human	LPDYWLSLLF KKLVGPRVLL SRVKGPDRSK LRVYLHCTNV YHPRYQEGDL
mouse	LPDYWLSLLF KKLAGEKAND DIVINOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOT
rat	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	500
	THE THE PROPERTY OF THE PROPER
human	TLYAINLHNV TKYLRLPYPF SNKQVDKYLL RPLGPHGLLS KSVQLNGLTL
mouse	TLYAINLHNV TKHLKVPPPL FRKPVDTYLL KPSGPDGLLS KSVQLNGQIL
rat	
<del></del> -	543
human	KMVDDQTLPP LMEKPLRPGS SLGLPAFSYS FFVIRNAKVA ACI~
mouse	THE PROPERTY OF THE PROPERTY AND THE PROPERTY ACTOR AC
	KMVDEQTEPA LIEKTEPAGS SLSVPAFSYG FFVIRNAKIA ACI~
rat	*AAA D D K arranga and and and and and and and and and an

Fig. 17

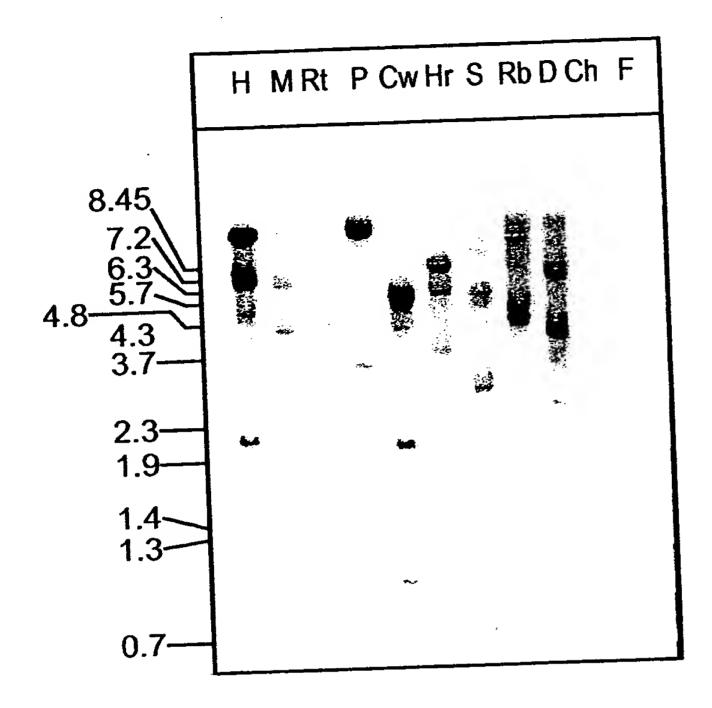


Fig. 18

PHD |

## 33/33

	MLLRSKPALP	PPLMLLLL	PLGPLSPG/	ALPRPAQAQI	OVVDLDFFTQ	eplhlvsps:	FLSVT	60
PHD		EEEEE			инн	EEEE	EEE	
	IDANLATOPR	RFLILLGSPI EEEEE	KLRTLARGL: HHHHHH	SPAYLRFGGT HHHHE	rktdflifdp eeeee		SYWQS   HHHHH	120
PHD	HHHHHHHHH	SIPPDVEE HHHH		EQLLLREHY( HHHHHHHHHH		RSSVDVLYT EEEEEEEEE		180
PHD	GLDLI FGLNA		WNSSNAQLL ННННННННН		niswelgnei Eeeee	NSFLKKADI НИНИНИН В		240
PHD	QLGEDYIQLI	HKLLRKSTF НИНИНИННИН			KMLKSFLKA( ННННННННН	GEVIDSVTV EEEEEEH	_	300
PHD	NGRTATRED		FISSVQKVF HHHHHHHEE		KKVWLGETS:		LSDTFA  HHHHHH	360
PHD	AGFMWLDKL		EVVMRQVFFG			LSLLFKKLV НННННННН	GTKVLM  EEEEE	420
PHD	ASVQGSKRR	KLRVYLHCT EEEEEEEI		EGDLTLYAIN EEEEEE	ILHNVTKYLR EEEE		NDKYLL	480
PHD	RPLGPHGLL   HH E	SKSVQLNG	LTLKMVDDQT EEEEE	rlpplmekpi	LRPGSSLGLP		RNAKVA  SEE EE	
	IACII							543

Fig. 19